Saskatchewan
Energy and Mines

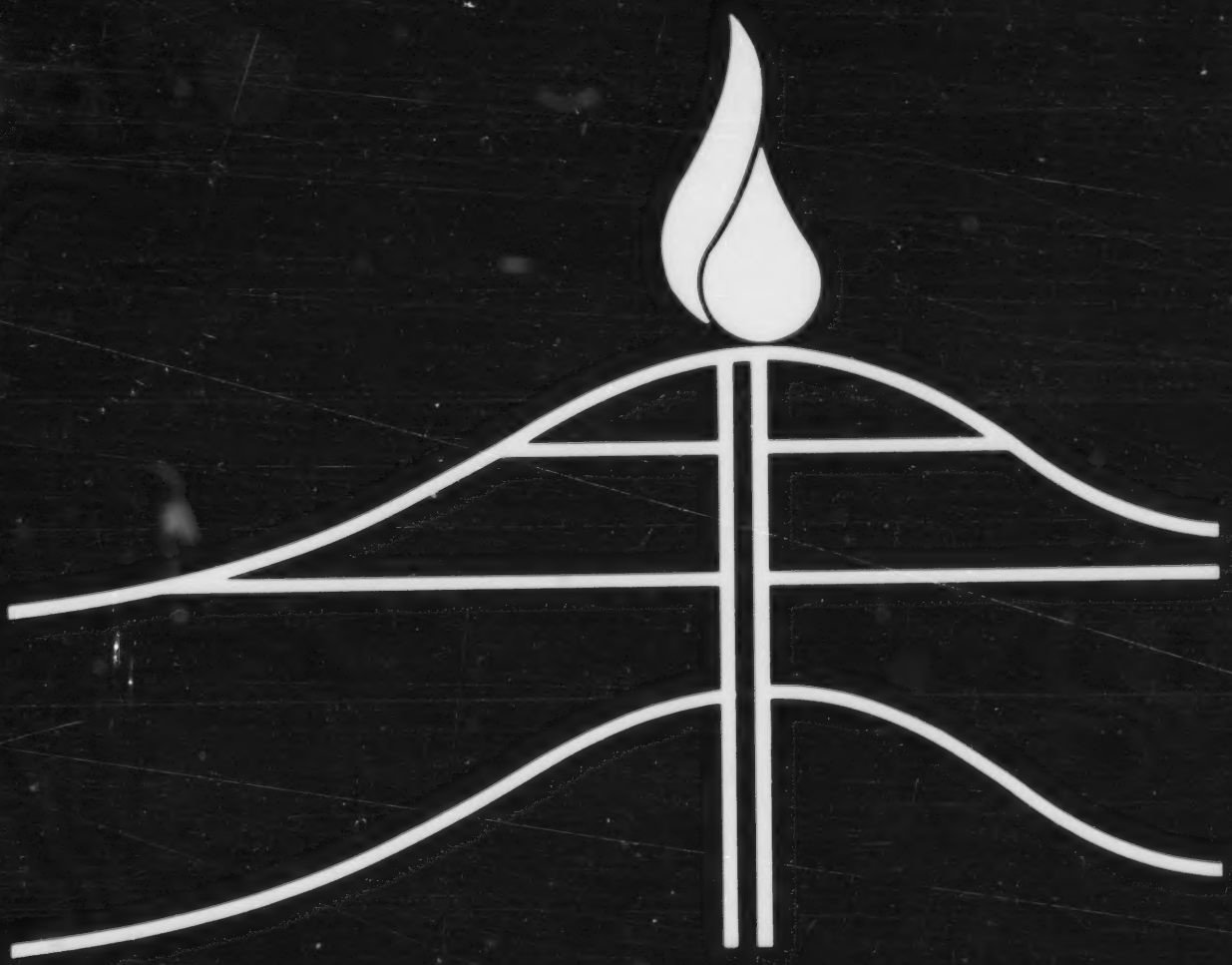
Petroleum
and Natural Gas

Miscellaneous Report 99-1

ISSN 0707-2562

Reservoir Annual 1998

Saskatchewan



101-04107/

PREFACE

The 1998 Reservoir Annual has been compiled to consolidate pertinent information on all oil and gas reservoirs in Saskatchewan into a convenient reference manual. The main sections of the report contain oil and gas reserves data, development and producing data and information concerning enhanced recovery projects. The remaining sections present related reservoir information.

Publication of the Reservoir Annual commenced in 1963 and has since undergone a number of changes to improve the presentation and to increase the amount of information that is useful to both industry and government.

I would like to acknowledge the assistance of the oil and gas companies operating in Saskatchewan for submitting to the department much of the material that has been used in the preparation of this report.

Eldon Lautermilch
Minister of Energy and Mines

Although the Department of Energy and Mines has exercised all reasonable care in the compilation, interpretation and production of this report, it is not possible to ensure total accuracy, and all persons who rely on the information contained herein do so at their own risk. The Department of Energy and Mines and the Government of Saskatchewan do not accept liability for any errors, omissions or inaccuracies that may be included in, or derived from, this report.

TABLE OF CONTENTS

SECTION

INTRODUCTION ..... A

POOL AND AREA MAPS ..... B

- Production and Disposition Areas
- Pool Location Maps
- Pool Location Guide and Map Index

RESERVOIR DATA RESERVES AND PRODUCTION – OIL C

- Five Year Oil Summary
- Area I – Heavy
- Area II – Heavy
- Area II – Light
- Area III – Medium
- Area IV – Medium
- Area IV – Light

RESERVOIR DATA RESERVES AND PRODUCTION – GAS ..... D

- Five Year Gas Summary
- Non-Associated Gas
- Associated Gas
- Dissolved Gas

OIL AND GAS UNITS AND ENHANCED RECOVERY PROJECTS ..... E

- Oil and Gas Units
- Non-Unit Projects

DEVELOPMENT DATA ..... F

- Oil Pools
- Gas Pools
- Spacing Areas

TYPICAL WELL LOGS OF PRODUCING ZONES ..... G

POOL PRESSURE DATA ..... H

- Oil Pools
- Gas Pools

MPR FACTORS I

INTRODUCTION

The 1998 Reservoir Annual is published by Saskatchewan Energy and Mines to provide current statistical information with regard to performance and reservoir parameters of Saskatchewan oil and gas pools. The 1998 edition is subdivided into nine sections, each dealing with a specific type of reservoir data. Section B presents maps showing oil and gas pools, production and disposition areas, well spacing areas and other related information. Of considerable importance are sections C and D, which provide reservoir data and reserves for all provincial oil and gas pools broken down by unit and non-unit areas. Section E contains a listing of oil and gas units and provides such information as operator, producing zone, number of active wells and project data such as pattern type, commencement date and injection rates. The section titled "Development Data" presents information on natural depletion mechanism, enhanced recovery projects, well spacing and target areas for all Saskatchewan oil and gas pools. The remaining three sections include illustrations of typical producing well logs, pool pressure data and Maximum Permissive Rate factors. All reserve, production, pool boundary and well spacing information contained in this publication is as of December 31, 1998, unless otherwise noted.

The reserve values contained in the Reservoir Annual are "established reserves" as adopted from the recommendations of The Joint Industry/Government Task Force on Uniform Reserves Terminology. Established reserves are defined as those reserves recoverable under current technology and present and anticipated economic conditions, specifically proved by drilling, testing or production, plus that judgement portion of contiguous recoverable reserves that are interpreted to exist from geological, geophysical or similar information, with reasonable certainty.

Despite a reduced level of exploration and development activity, a near-record volume of 23.1 million cubic metres of oil was produced in 1998. Initial established oil reserves increased by 16.5 million cubic metres due to the addition of 841 new or recompleted producing oil wells (including 266 producing horizontal wells) and 7 new or expanded waterflood/EOR projects. This was decreased to about 13.4 million cubic metres because of better definition of existing reserves. Reserve additions due to drilling came from all areas of the province. Production exceeded provincial reserve increases by about 9.7 million cubic metres, resulting in a remaining established reserve figure of 176.0 million cubic metres at year end. Table 1 provides a more detailed look at the changes in oil reserves.

Natural gas production in 1998 was 6.906 billion cubic metres. Initial reserves of gas were increased by 3.879 billion cubic metres in 1998, resulting in a net decrease of 2.754 billion cubic metres and a remaining established reserves year-end value of 73.227 billion cubic metres. There were 578 successful gas wells drilled in 1998.

The objective of this publication is to provide subscribers in the oil and gas industry with reliable and pertinent information on provincial oil and gas resources and any suggestions or comments on improvements in this regard would be welcomed by Saskatchewan Energy and Mines.

TABLE 1

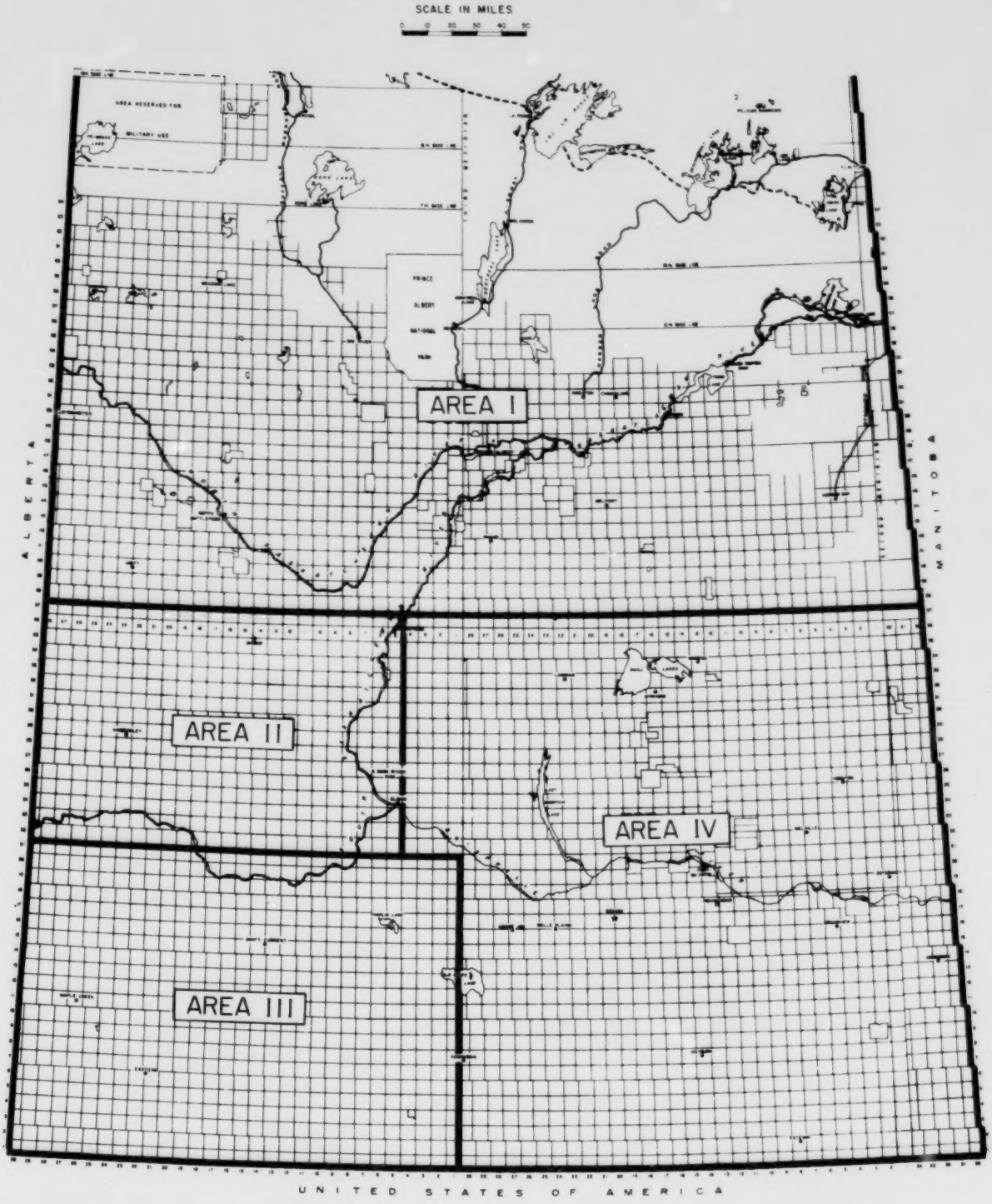
REMAINING OIL RESERVES IN SASKATCHEWAN

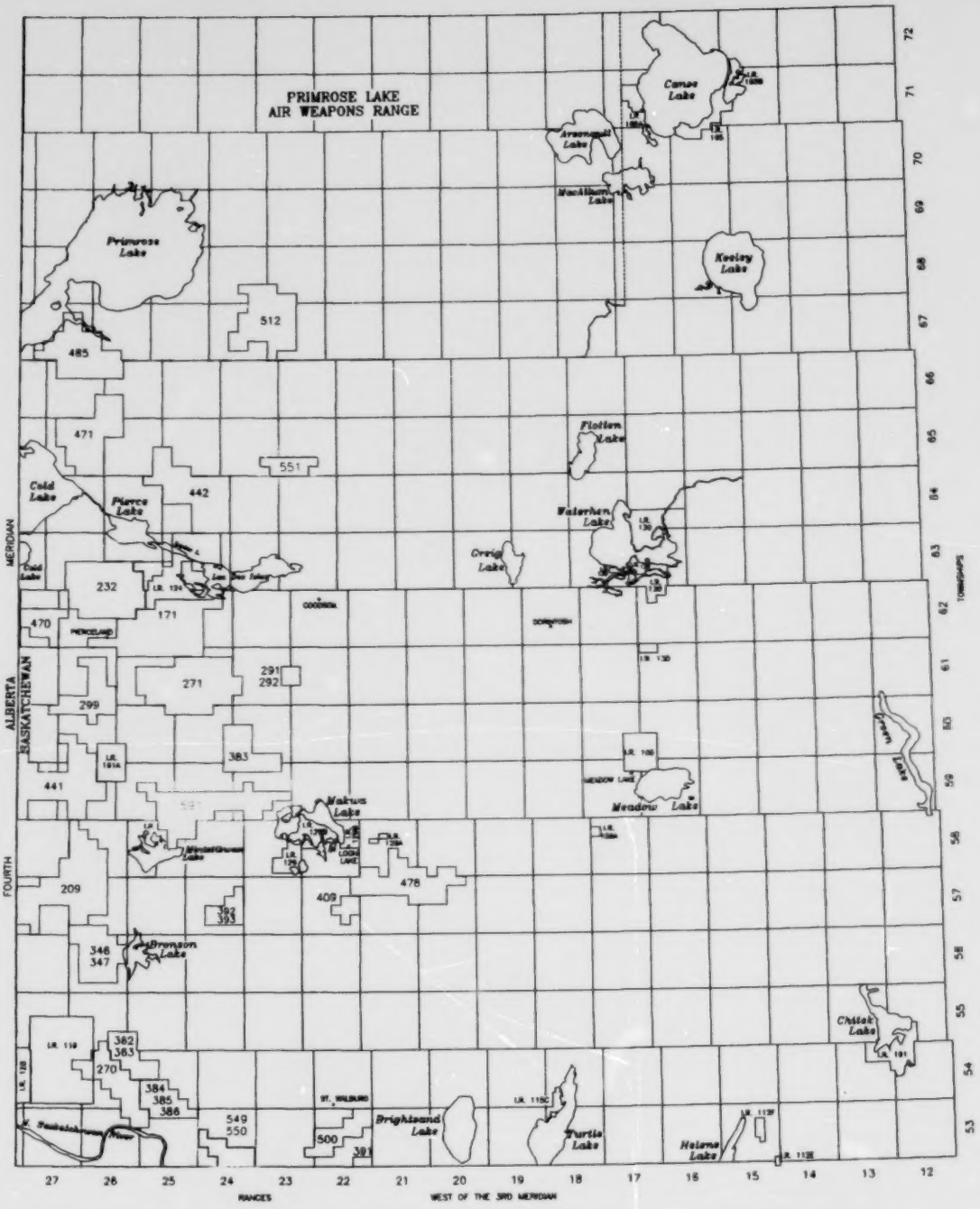
(MILLION CUBIC METRES)

Area	Remaining Established Reserves (Dec 31/97)	1998 Additions to Reserves Revisions	Drilling & Recompletion	Total	1998 Production	Net Change in Reserves During 1998	Remaining Established Reserves (Dec 31/98)
Area I - Heavy	50.331	-0.878	3.080	2.202	5.817	-3.615	46.716
Area II - Heavy	28.689	2.873	2.671	5.544	3.558	1.986	30.675
Area II - Light	5.894	-0.571	0.138	-0.433	0.673	-1.106	4.788
Area III- Medium	27.099	0.812	2.212	3.024	3.354	-0.330	26.769
Area IV - Medium	34.030	0.067	2.796	2.863	4.350	-1.487	32.543
Area IV - Light	39.719	-4.870	5.088	0.218	5.393	-5.175	34.544
PROVINCIAL TOTAL	185.762	-2.567	15.985	13.418	23.145	-9.727	176.035

SASKATCHEWAN
PETROLEUM AND NATURAL GAS

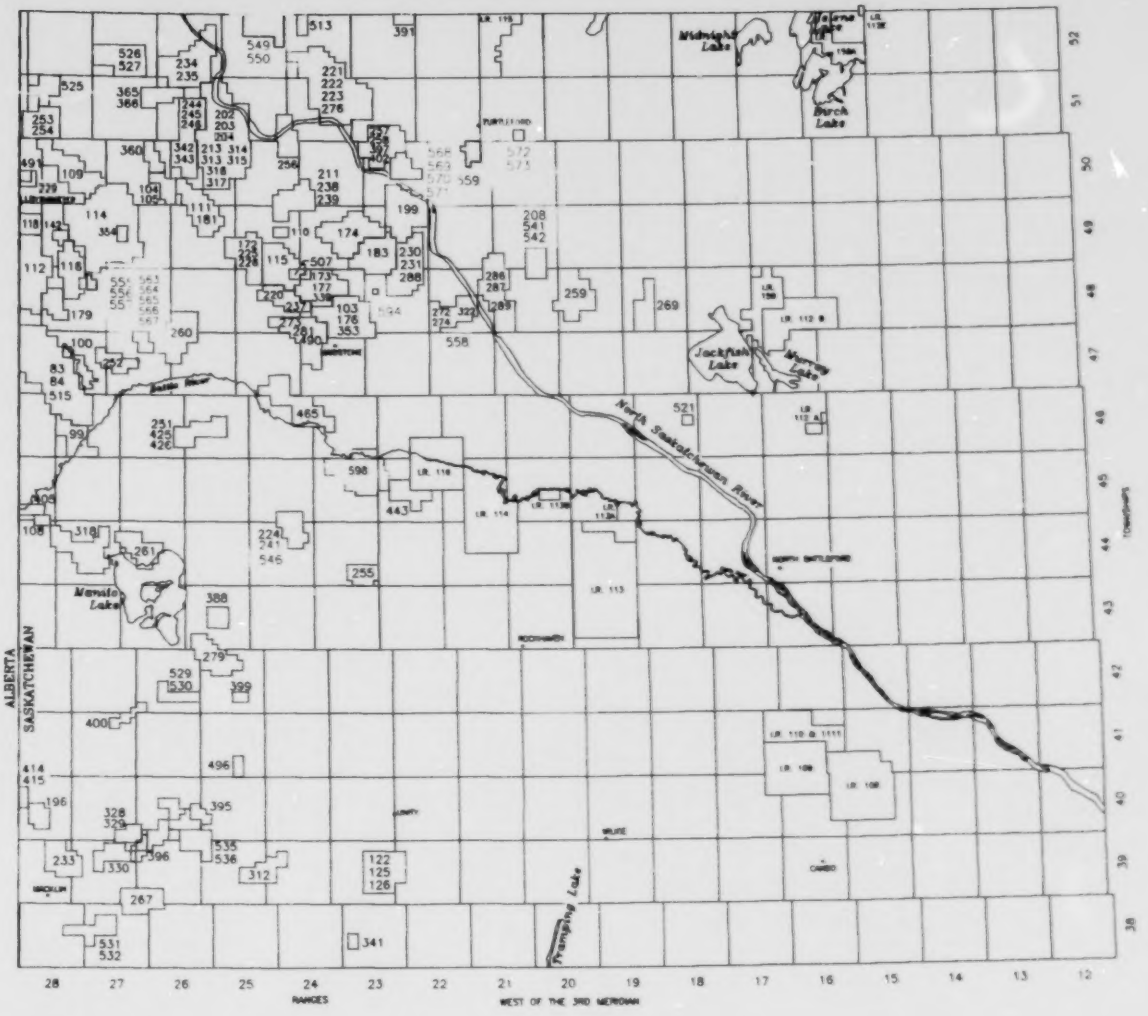
PRODUCTION AND DISPOSITION AREAS





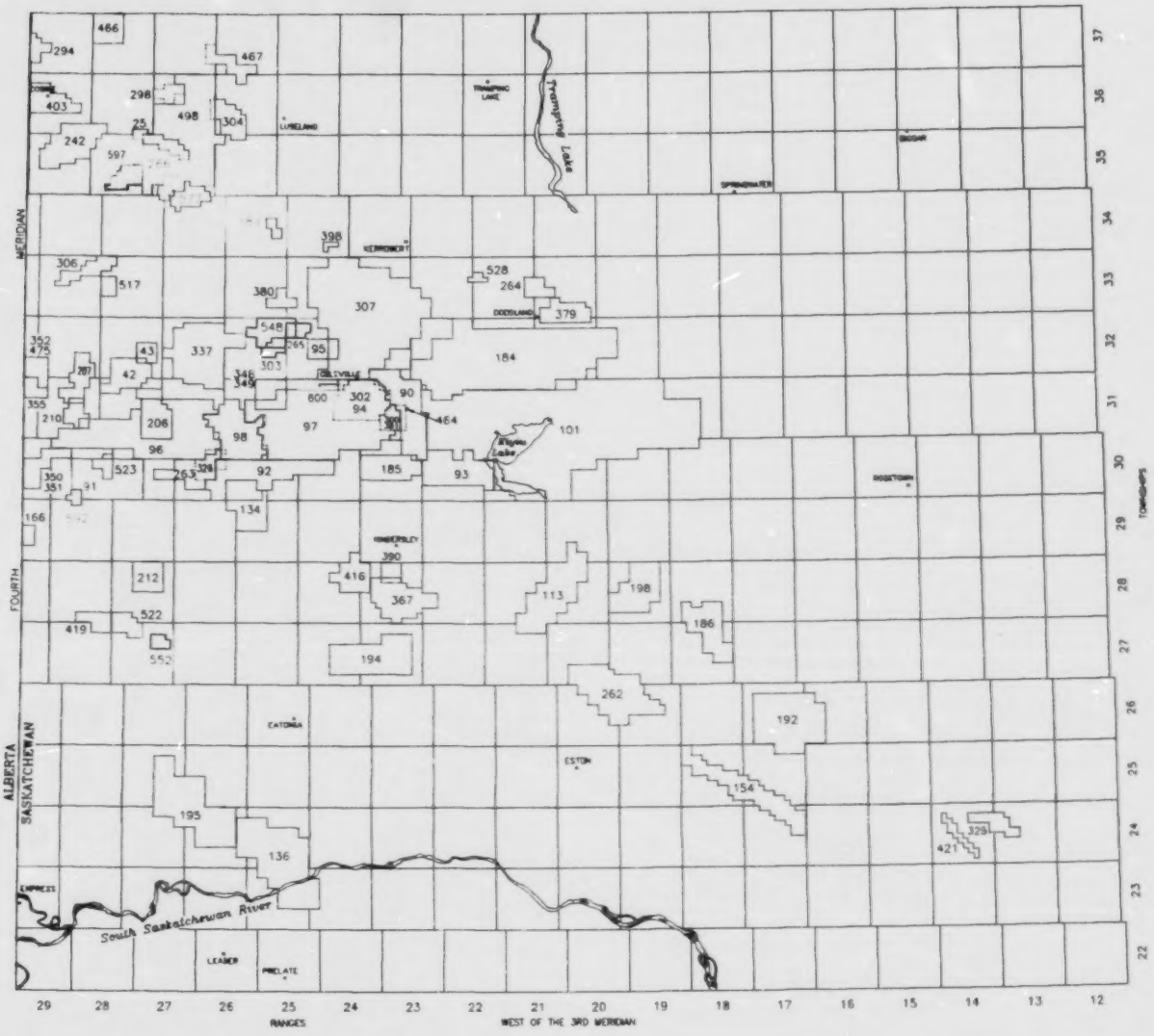
OIL & GAS POOLS – AREA I – NORTH HALF

171	Beacon Hill Mannville Sand Gas Pool
209	Pace Lake Colony Sand Gas Pool
232	Pierceland Mannville Sand Gas Pool
270	Fort Pitt Colony Sand Gas Pool
271	Beacon Hill South Mannville Sand Gas Pool
291	Flat Valley St Walburg Sand Gas Pool
292	Flat Valley Colony Sand Gas Pool
299	Beacon Hill West Mannville Sand Gas Pool
346	Bronson Lake Colony Sand Gas Pool
347	Bronson Lake Waseca Sand Gas Pool
362	Fort Pitt North Colony Sand Gas Pool
363	Fort Pitt North Waseca Sand Gas Pool
383	Makwa Mannville Sand Gas Pool
384	Frenchman Butte St Walburg Sand Gas Pool
385	Frenchman Butte Colony Sand Gas Pool
386	Frenchman Butte Waseca Sand Gas Pool
391	Spruce Lake Mannville Sand Gas Pool
392	Whelan St Walburg Sand Gas Pool
393	Whelan Mannville Sand Gas Poo l
409	Barthel Colony Sand Gas Pool
441	Mudie Lake Colony Sand Gas Pool
442	Bear Creek Mannville Sand Gas Pool
470	Pierceland West Colony Sand Gas Pool
471	Cold Lake Colony Sand Gas Pool
478	Leon Lake Colony Sand Gas Pool
485	Primrose Lake Mannville Sand Gas Pool
500	Spruce l ake North Colony Sand Gas Pool
512	Primrose Lake East Mannville Sand Gas Pool
549	Paradise Hill Colony Sand Gas Pool
550	Paradise Hill Waseca Sand Gas Pool
551	Cold Lake Colony Sand Gas Pool
591	Branch Lake Colony Sand Gas P ool



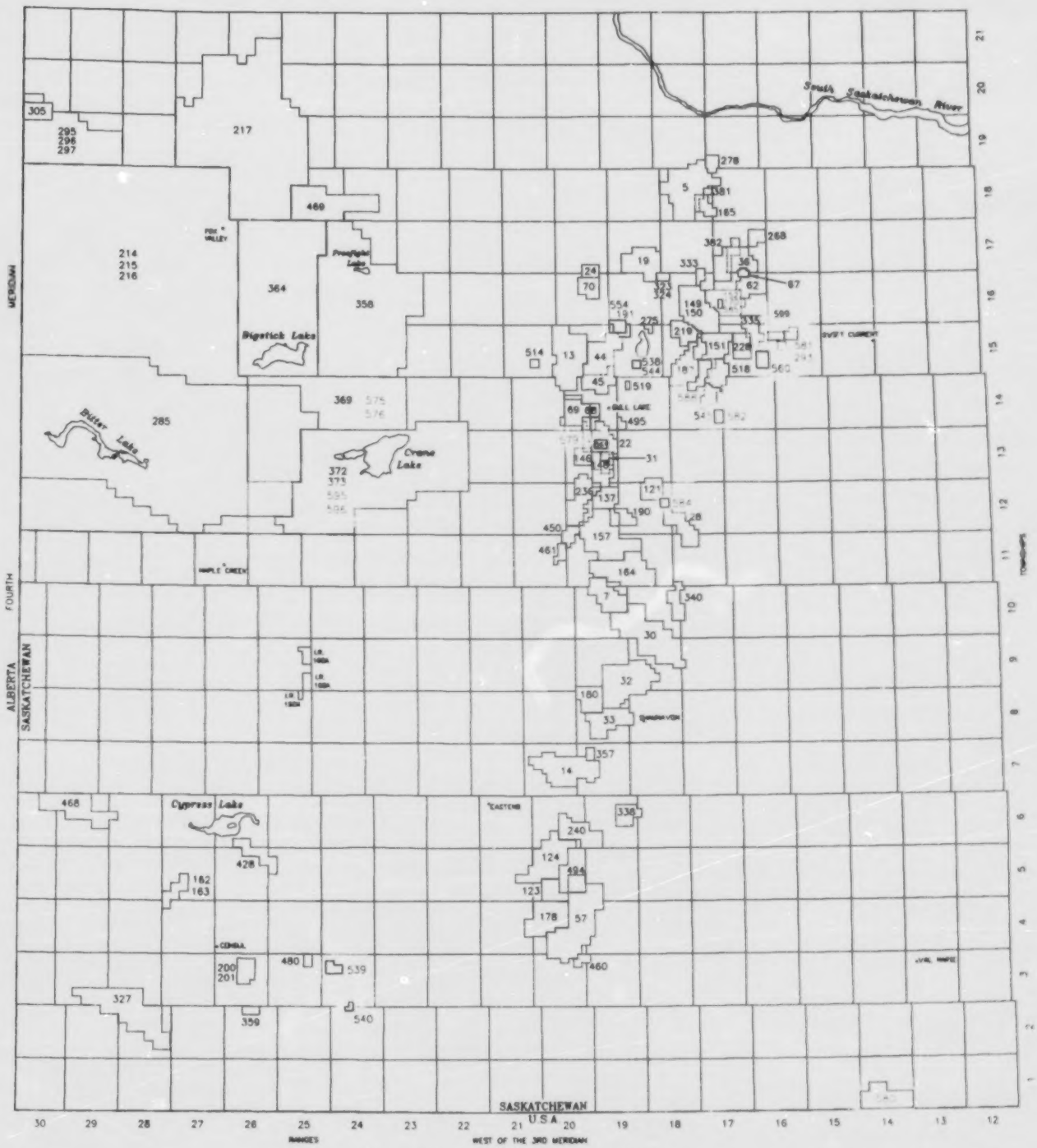
OIL & GAS POOLS – AREA 1 – SOUTH HALF

83 Epping Sparky Sand Pool
84 Epping G.P. Sand Pool
89 Epping South Sparky Sand Pool
100 Lone Rock Sparky Sand Pool
103 Golden Lake South Sparky Sand Pool
104 Landrose Waseca Sand Pool
105 Landrose McLaren Sand Pool
106 Marsden Sparky Sand Pool
109 Northminster Sparky Sand Pool
110 Low Lake Waseca Sand Pool
111 Big Gully McLaren Sand Pool
112 Silverdale Sparky Sand Pool
114 Aberfeldy Sparky Sand Pool
115 Lashburn Waseca Sand Pool
118 Dulwich Sparky Sand Pool
119 Lloydminster Colony Sand Gas Pool
122 Unity South Viking Sand Gas Pool
125 Unity South Sparky Sand Gas Pool
126 Unity South Unity Sand Gas Pool
142 Dulwich North Sparky Sand Pool
172 Forest Bank Mannville Sands Pool
173 Golden Lake North Waseca Sand Pool
174 Gully Lake Waseca Sand Pool
176 Golden Lake South Waseca Sand Pool
177 Golden Lake North Sparky Sand Pool
179 Furnessa Sparky Sand Pool
181 Big Gully Waseca Sand Pool
183 Dee Valley Waseca Sand Pool
196 Eyehill Cummings Dina Sand Pool
198 Standard Hill Waseca Sand Pool
202 Tangleflags Lloydminster Sand Pool
203 Tangleflags Sparky Sand Pool
204 Tangleflags G.P. Sand Pool
208 Edam North Waseca Sand Pool
211 Pikes Peak Waseca Sand Pool
213 Tangleflags Mannville Sands Pool
220 Lashburn South Waseca Sand Pool
221 Celtic Waseca Sand Pool
222 Celtic Sparky Sand Pool
223 Celtic Mannville Sands Pool
224 Freemont Waseca Sand Pool
225 Forest Bank Sparky Sand Pool
226 Forest Bank Waseca Sand Pool
229 Lloydminster Sparky Sand Pool
230 Dee Valley East Waseca Sand Pool
231 Dee Valley East Sparky Sand Pool
233 Macklin Sparky Sand Pool
234 Tangleflags North G.P. Sand Pool
235 Tangleflags N. Lloyd. Cummings Sand Pool
237 Lashburn South Sparky Sand Pool
238 Pikes Peak Sparky Sand Pool
239 Pikes Peak G.P. Sand Pool
241 Freemont Sparky Sand Pool
244 Tangleflags West Sparky Sand Pool
245 Tangleflags West G.P. Sand Pool
248 Tangleflags West Lloyd. Sand Pool
251 Neilburg McLaren Sand Pool
252 Buzzard Lloydminster Sand Pool
253 Northminster North Sparky Sand Pool
254 Northminster North G.P. Sand Pool
255 Badminton Sparky Sand Pool
256 Tangleflags East McLaren Sand Pool
257 Westhazel Sparky Sand Pool
258 Westhazel G.P. Sand Pool
259 Edam Waseca Sand Pool
260 Lashburn West Sparky Sand Pool
261 Marsden South Sparky Sand Pool
267 Senlac Lloydminster Sand Pool
269 Cavalier Spinney Hill Sand Gas Pool
272 Rush Lake Waseca Sand Pool
273 Maidstone McLaren Sand Pool
274 Rush Lake Sparky Sand Pool
276 Celtic G.P. Sand Pool
279 Winter Cummings Sand Pool
281 Maidstone Waseca Sand Pool
286 Edam West Waseca Sand Pool
287 Edam West Sparky-G.P. Sand Pool
288 Dee Valley East Mannville Sands Pool
289 Edam West Mannville Sands Pool
312 Salt Lake Lloydminster Sand Pool
313 Tangleflags Second White Specks Gas Pool
314 Tangleflags St. Neiburg Sand Gas Pool
315 Tangleflags Colony Sand Gas Pool
316 Tangleflags Mclaren Sand Gas Pool
317 Tangleflags McLaren Sand Pool
318 Manito Lake Sparky Sand Pool
322 Rush Lake Mannville Sands Pool
328 Evesham North McLaren Sand Pool
329 Evesham North Sparky Sand Pool
330 Evesham Sparky Sand Pool
339 Golden Lake North Mannville Sands Pool
341 Eye Lake Waseca Sand Pool
342 Tangleflags West McLaren Sand Pool
343 Tangleflags West Mannville Sands Pool
353 Golden Lake South Mannville Sands Pool
354 Aberfeldy G.P. Sand Pool
360 Big Gully North Lloydminster Sand Pool
365 Helmond Sparky Sand Pool
366 Helmond G.P. Sand Pool
368 Manito Lake East McLaren Sand Pool
381 Spruce Lake Mannville Sand Gas Pool
385 Senlac Cummings Dina Sand Pool
386 Senlac Waseca Sand Pool
387 Westhazel Mannville Sands Pool
388 Winter South Cummings Sand Pool
400 Long Lake Waseca Sand Pool
402 Westhazel Waseca Sand Pool
405 Marsden North Sparky Sand Pool
414 Eyehill North Cummings Sand Pool
415 Eyehill North Sparky Sand Pool
425 Neilburg Colony Sand Pool
426 Neilburg Mannville Sands Pool
443 Carruthers Colony Sand Gas Pool
465 Soda Lake Cummings Sand Pool
490 Maidstone Mannville Sands Pool
491 Lloydminster North Colony Sand Gas Pool
498 Rutland Cummings-Dina Sand Pool
507 Lashburn McLaren Sand Gas Pool
513 Bodney Colony Sand Pool
515 Epping Mannville Sands Pool
521 Manito Lloydminster Sand Pool
525 Rex Lloydminster Sand Pool
528 Hillmond Colony Sand Gas Pool
527 Hillmond Lloydminster Sand Gas Pool
531 Hasham Colony Sand Gas Pool
532 Hasham Waseca Sand Gas Pool
535 Senlac McLaren Sand Gas Pool
538 Senlac Sparky Sand Gas Pool
539 Yorker Colony Sand Gas Pool
540 Yorker McLaren Sand Gas Pool
541 Edam North Sparky Sand Pool
542 Edam North Lloydminster Sand Pool
548 Freemont Mannville Sands Pool
549 Paradise Hill Colony Sand Gas Pool
550 Paradise Hill Waseca Sand Gas Pool
555 Dulwich East Sparky Sand Pool
558 Dulwich East G.P. Sand Pool
557 Dulwich East Rex Sand Pool
558 Rush Lake G.P. Sand Pool
559 Mervin Waseca Sand Pool
563 Buzzard North Waseca Sand Pool
564 Buzzard North Sparky Sand Pool
565 Buzzard North G.P. Sand Pool
566 Buzzard North Lloydminster Sand Pool
567 Buzzard North Mannville Sand Pool
568 Standard Hill North Waseca Sand Pool
569 Standard Hill North Sparky Sand Pool
570 Standard Hill North G.P. Sand Pool
571 Standard Hill North Rex Sand Pool
572 Turtleford Waseca Sand Pool
573 Turtleford Sparky Sand Pool
584 Dee Valley South Waseca Sand Pool
598 Carruthers Cummings Sand Pool



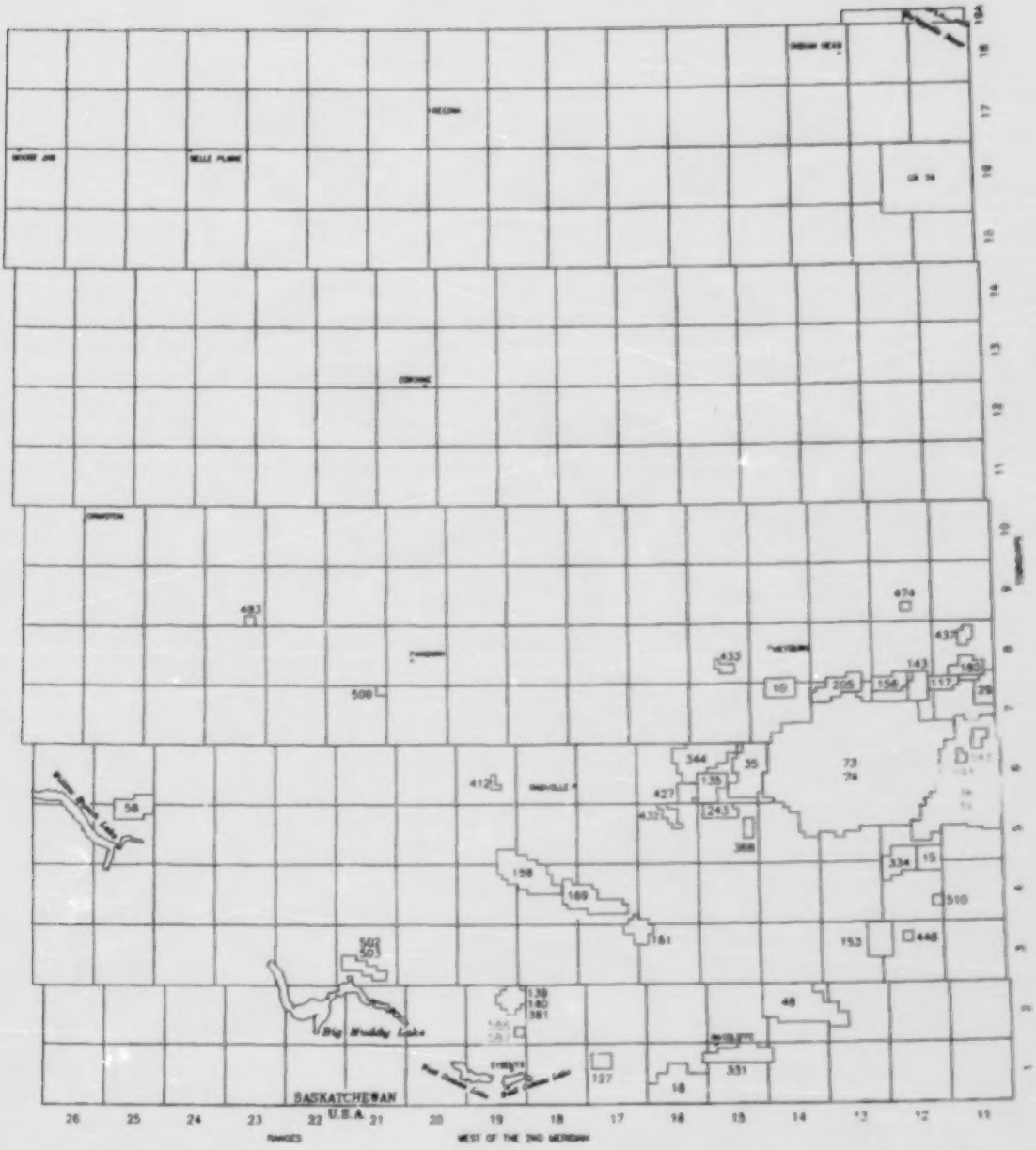
OIL & GAS POOLS – AREA II

25	Plover Lake McLaren Sand Pool
42	North Hoosier Bakken Sand Pool
43	North Hoosier Basal Mannville Sand Pool
90	Eureka Viking Pool
91	Milton Viking Sand Gas Pool
92	Whitewater Viking Sand Pool
93	Avon Hill Viking Pool
94	Colonville Bakken Sand Pool
95	Buffalo Coulee Bakken Sand Pool
96	Hoosier Viking Gas Pool
97	Colonville-Smiley Viking Gas Pool
98	Smiley-Dewar Viking Pool
101	Dodsland Viking Sand Pool
113	Brock Viking Sand Gas Pool
134	Whitewater Ribstone Creek Sand Gas Pool
136	Bayhurst Viking Gas Pool
154	Plato Viking Pool
166	Atlantic Basal Mannville Sand Pool
184	Dodsland North Viking Gas Pool
185	Lucky Hills Viking Pool
186	Tolmes Viking Gas Pool
192	Greenan Viking Gas Pool
194	Gliddon Viking Gas Pool
195	Bayhurst West Viking Gas Pool
198	Brock East Viking Gas Pool
206	Hoosier Bakken Sand Pool
207	Fusilier Bakken Sand Pool
210	Loverna Success Pool
212	Marengo Viking Gas Pool
242	Cactus Lake Basal Mannville-Bakken Sand Pool
262	Plato North Viking Pool
263	Whitewater West Viking Sand Gas Pool
264	Druid Mannville Sands Pool
265	Buffalo Coulee North Bakken Sand Pool
286	Plover Lake Bakken Sand Pool
294	Cosane Lake Lloydminster Sand Pool
298	Hearts Hill Bakken Sand Pool
300	Colonville South Bakken Sand Pool
301	Colonville South Mannville Sand Pool
302	Colonville Mannville Sand Pool
303	North Smiley Bakken Sand Pool
304	Luseland Bakken Sand Pool
306	Court Bakken Sand Pool
307	Kerrobert Viking Sand Pool
325	Forgan Viking Sand Pool
326	Whitewater West Ribstone Creek Sand Gas Pool
337	Prairiedale Viking Sand Pool
348	Driver Mannville Sand Gas Pool
349	Driver Bakken Sand Gas Pool
350	Loverna South Viking Gas Pool
351	Loverna South Bakken Sand Gas Pool
352	Loverna North Mannville Sand Gas Pool
355	Loverna West Bakken Sand Gas Pool
367	Verendrye Viking Sand Pool
379	Plenty Viking Sand Pool
380	Superb Bakken Sand Gas Pool
390	Verendrye North Viking Sand Gas Pool
398	Orwell Basal Mannville Sand Pool
403	Cactus Lake North McLaren Sand Pool
416	Kindersley Viking Gas Pool
419	Marengo South Basal Mannville Sand Pool
421	Forgan West Viking Sand Pool
464	Colonville South Success Pool
466	Primate Mannville Sand Gas Pool
467	Salvador Mannville Sand Gas Pool
475	Loverna North Bakken Sand Gas Pool
498	Luseland Viking Sand Gas Pool
517	Court South Bakken Sand Pool
522	Maritana North Basal Mannville Sand Pool
523	Milton Bakken Sand Pool
526	Emma Mannville Sands Pool
548	Prairiedale East Viking Gas Pool
552	Maritana East Basal Mannville Sand Pool
577	Plover Lake East Bakken Sand Pool
589	Superb North Wasaca Sand Pool
592	Milton Success Pool
597	Plover Lake West Bakken Sand Pool
600	Colonville West Bakken Sand Pool



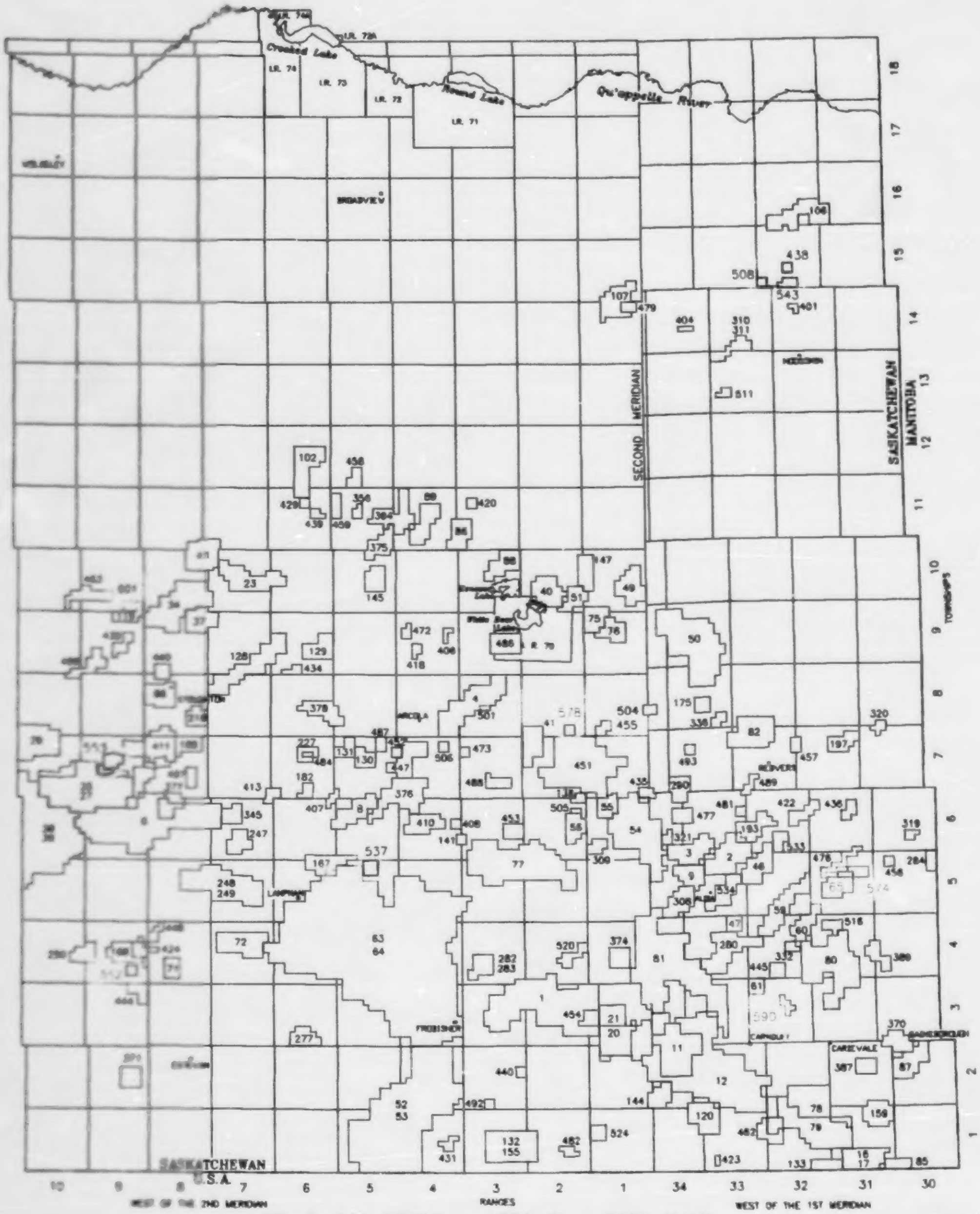
OIL & GAS POOLS – AREA III

5 Bellrum Roseray Sand Pool
7 Bone Creek Upper Shaunavon Pool
13 Delia Upper Shaunavon Pool
14 Dollard Upper Shaunavon Pool
19 Fosterton Roseray Sand Pool
22 Gull Lake North Upper Shaunavon Pool
24 Hazlet Roseray Sand Pool
29 Ilfeltrum Upper Shaunavon Pool
30 Instow Upper Shaunavon Pool
31 Johnston Upper Shaunavon Pool
32 Leichville Shaunavon Pool
33 Leon Lake Shaunavon Pool
38 Main Success Roseray Sand Pool
44 North Frontier Roseray Sand Pool
45 North Frontier Upper Shaunavon Pool
57 Rapdan Upper Shaunavon Pool
62 South Success Roseray Sand Pool
67 Success Roseray Sand Pool Alpha Pool
68 Suffield Upper Shaunavon Pool
69 Suffield Roseray Sand Pool
70 Verla Roseray Sand Pool
121 Covington Upper Shaunavon Pool
123 Eastbrook Shaunavon Pool
124 Whitemud Shaunavon Pool
137 Gull Lake South Upper Shaunavon Pool
148 Gull Lake Central Upper Shaunavon Pool
149 Gull Lake Basal Cantuar Sand Pool
150 Cantuar Main Cantuar Sand Pool
151 Cantuar Roseray Sand Pool
152 Cantuar East Roseray Sand Pool
157 Butte Upper Shaunavon Pool
162 Consul Second White Specks Gas Pool
163 Consul Upper Shaunavon Gas Pool
164 Bench Upper Shaunavon Pool
165 Pennant Upper Shaunavon Pool
178 Cantuar East Cantuar Sand Pool
178 Rapdan West Shaunavon Pool
180 Clintonville Shaunavon Pool
187 Beverley Cantuar Sand Pool
189 Gull Lake Cantuar Gas Pool
190 Covington West Upper Shaunavon Pool
191 Antelope Lake Upper Shaunavon Pool
200 Battle Creek Upper Shaunavon Pool
201 Battle Creek Madison Pool
214 Hatton Medicine Hat Sand Gas Pool
215 Hatton Milk River-Medicine Hat Gas Pool
216 Hatton Milk River Gas Pool
217 Lesbanthar Milk River Gas Pool
219 Beverley North Cantuar Sand Pool
226 Beverley East Cantuar Gas Pool
236 Butte West Upper Shaunavon Pool
240 Fosterd Shaunavon Pool
268 Success North Roseray Sand Pool
275 Antelope Lake East Roseray Sand Pool
279 Bellrum North Roseray Sand Pool
285 Bigstick Second White Specks Gas Pool
293 Java Cantuar Sand Pool
295 Burstall Milk River Gas Pool
298 Burstall Milk River-Medicine Hat Gas Pool
297 Burstall Medicine Hat Sand Gas Pool
305 Burstall North Viking Sand Gas Pool
323 Fosterton South Cantuar Sand Pool
324 Fosterton South Roseray Sand Pool
327 Senate Second White Specks Gas Pool
333 Cantuar North Roseray Sand Pool
335 Beverley East Cantuar Sand Pool
338 Chambery Upper Shaunavon Pool
340 Nabulau Upper Shaunavon Pool
357 Dollard Lower Shaunavon Pool
358 Frewright Milk River Gas Pool
359 Battle Creek South Upper Shaunavon Pool
364 Ingalangl Milk River Gas Pool
369 Crane Lake Milk River Gas Pool
372 Crane Lake South Milk River Gas Pool
373 Crane Lake S. Second White Specks Gas Pool
381 Bellrum East Roseray Sand Pool
382 Wheat Valley Cantuar Sand Gas Pool
428 Cypress Second White Specks Gas Pool
450 Gardenhead Upper Shaunavon Pool
460 Rapdan South Upper Shaunavon Pool
461 Gardenhead South Upper Shaunavon Pool
468 Merryfield Second White Specks Gas Pool
469 Frewright North Milk River Gas Pool
480 Rangeview Madison Pool
494 Rapdan North Lower Shaunavon Pool
495 Gull Lake Roseray Sand Pool
514 Delia West Upper Shaunavon Pool
518 Webb Cantuar Sand Pool
519 Antelope Lake South Roseray Sand Pool
538 Antelope Lake North Success Roseray Sand
539 Rangeview East Madison Pool
540 Divide Madison Pool
544 Antelope Lake North Cantuar Sand Pool
545 Webb South Cantuar Sand Pool
554 Antelope Lake Roseray Sand Pool
560 Seward Basal Mannville Sand Pool
561 Gull Lake North Basal Cantuar Sand Pool
575 Crane Lake Medicine Hat Sand Gas Pool
576 Crane Lake Milk River-Medicine Hat Gas Pool
579 Suffield Basal Cantuar Sand Pool
580 Wrenchy Second White Specks Gas Pool
581 Java North Cantuar Sand Pool
582 Antelope Cantuar Sand Pool
584 Covington South Upper Shaunavon Pool
585 Cantuar East Lower Shaunavon Pool
588 Webb West Cantuar Sand Pool
595 Crane Lake South Medicine Hat Sand Gas Pool
596 Crane Lake South MR-Medicine Hat Gas Pool
598 Java West Cantuar Sand Pool



OIL & GAS POOLS – AREA IV – WEST HALF

10	Ralph Jack Midale Beds Pool	205	Ralph Midale Beds Pool
15	Elswick East Midale Beds Pool	243	Tatagwa Midale Beds Pool
16	Flat Lake Ratcliffe Beds Pool	331	Hoffer Ratcliffe Beds Pool
29	Innes Frobisher Beds Pool	334	Elswick Midale Beds Pool
35	Lougheed Midale Beds Pool	344	Tatagwa North Midale Beds Pool
38	Midale Central Frobisher Beds Pool	361	Hummingbird Bakken Sand Pool
39	Midale Central Midale Beds Pool	368	Colgate Midale Beds Pool
46	Dungre Ratcliffe Beds Pool	412	Ceylon Bakken Sand Pool
58	Roncott Bakken Sand Pool	427	Tatagwa West Midale Beds Pool
73	Weyburn Frobisher Beds Pool	432	Neptune North Midale Beds Pool
74	Weyburn Midale Beds Pool	433	Union Jack Midale Beds Pool
117	West Innes Frobisher Beds Pool	437	Griffin North Frobisher Beds Pool
127	Lake Anne Ratcliffe Beds Pool	448	Bromhead East Red River Pool
135	Tatagwa Central Midale Beds Pool	474	Brough Frobisher Beds Pool
139	Hummingbird Birdbear Pool	483	Daheida Madison Pool
140	Hummingbird Ratcliffe Beds Pool	502	Minton Red River Pool
143	Hume Frobisher Beds Pool	503	Minton Winnipegosis Pool
153	Bromhead Midale Beds Pool	509	Amulet Ratcliffe Beds Pool
158	Hume Midale Beds Pool	510	Elswick South Midale Beds Pool
159	Freda Lake Ratcliffe Beds Pool	583	Midale Red River Pool
160	Griffin Frobisher Beds Pool	586	Hummingbird South Bakken Sand Pool
161	Neptune Ratcliffe Beds Pool	587	Hummingbird South Ratcliffe Beds Pool
169	Skinner Lake Ratcliffe Beds Pool	593	Midale West Red River Pool



OIL & GAS POOLS – AREA IV – EAST HALF

[illegible]

[illegible] [Stoughton] Frobisher-Alida Beds Pool
[illegible] View Hill Midale Beds Pool
[illegible] Kingsford Midale Beds Pool
[illegible] White Bear Tilston Beds Pool
[illegible] White Bear Tilston-Souris Valley Beds Pool
[illegible] Willmar Frobisher-Alida Beds Pool
[illegible] Workman Frobisher Beds Pool
[illegible] Workman Midale Beds Pool
[illegible] Ingoldsby Frobisher-Alida Beds Pool
[illegible] Hastings Frobisher Beds Pool
[illegible] Lightning Tilston Beds Pool
[illegible] North Alida Midale Beds Pool
[illegible] South [illegible] Tilston Beds Pool
[illegible] Gainsborough Frobisher-Alida Beds Pool
[illegible] Tilston Beds Pool
[illegible] Hazelwood Tilston Beds Pool
[illegible] Moose Valley Tilston Beds Pool
[illegible] Bakken Sand Pool
[illegible] Sand Pool
[illegible] Frobisher-Alida Beds Pool
[illegible] Souris Flat Frobisher Beds Pool
[illegible] Frobisher-Alida Beds Pool
[illegible] Star Valley Frobisher-Alida Beds Pool
[illegible] Frobisher-Alida Beds Pool
[illegible] West Frobisher-Alida Beds Pool
[illegible] Nottingham Frobisher Beds Pool
[illegible] Frobisher Beds Pool
[illegible] Alida Beds Pool
[illegible] Frobisher-Alida Beds Pool
[illegible] Frobisher Beds Pool
[illegible] Alida Beds Pool
[illegible] Souris Valley Beds Pool
[illegible] Nottingham Midale Beds Pool
[illegible] Frobisher Beds Pool
[illegible] View Hill Frobisher Beds Pool
[illegible] Midale Beds Pool
[illegible] Parkman South Tilston-Souris Valley Beds Pool

182 Morrisview Frobisher-Alida Beds Pool
188 Viewfield Frobisher Beds Pool
193 Edenvale Tilston Beds Pool
197 Frys Tilston-Souris Valley Beds Pool
218 Stoughton South Frobisher Beds Pool
227 Kisbey Birdbear Pool
247 Minard Midale Beds Pool
248 Bryant Midale Beds Pool
249 Bryant Frobisher Beds Pool
250 Macoun West Midale Beds Pool
277 Bienfait Midale Beds Pool
280 Hastings East Frobisher Beds Pool
282 Alameda West Midale Beds Pool
283 Alameda West Frobisher Beds Pool
284 Fertile Tilston Beds Pool
290 Wauchope Alida-Tilston Beds Pool
308 Cantal South Frobisher-Alida Beds Pool
309 Auburnton Frobisher-Alida Beds Pool
310 Red Jacket Sand Pool
311 Red Jacket Gravelbourg Pool
319 Fertile Tilston-Souris Valley Beds Pool
320 Frys East Tilston-Souris Valley Beds Pool
321 Alida North Alida Beds Pool
332 Ingoldsby West Frobisher-Alida Beds Pool
338 Wauchope North Tilston Beds Pool
345 Benson East Midale Beds Pool
356 Hazelwood West Tilston Beds Pool
370 Gainsborough North Frobisher-Alida Beds Pool
371 Tableland Winnipegosis Pool
374 Hastings West Frobisher Beds Pool
375 Hazelwood South Tilston Beds Pool
376 Wordsworth Frobisher-Alida Beds Pool
377 Benson Frobisher Beds Pool
378 Kisbey Frobisher-Alida Beds Pool
387 Gainsborough West Frobisher Beds Pool
389 Ingoldsby East Alida Beds Pool
394 Hazelwood Central Tilston Beds Pool

401 Moosomin Red Jacket Sand Pool
404 Coothill Red Jacket Sand Pool
406 Bennett Lake Alida Beds Pool
407 Browning North Frobisher-Alida Beds Pool
408 Dalesboro North Frobisher-Alida Beds Pool
410 Willmar West Frobisher Beds Pool
411 Viewfield Rim Pool
413 Morrisview West Frobisher-Alida Beds Pool
417 Carlyle South Lower Watrous Pool
418 Arcola North Alida Beds Pool
420 Kennedy Souris Valley Beds Pool
422 Nottingham North Tilston Beds Pool
423 Souris Flat South Frobisher Beds Pool
424 Macoun Winnipegosis Pool
429 Moose Valley South Tilston Beds Pool
430 Heward Frobisher Beds Pool
431 North Portal Midale Beds Pool
434 Star Valley South Frobisher-Alida Beds Pool
435 Wauchope West Alida Beds Pool
436 Bellegarde Tilston Beds Pool
438 Welwyn Bakken Sand Pool
439 Bender South Tilston Beds Pool
440 Openshaw Frobisher Beds Pool
444 Hitchcock Winnipegosis Pool
445 Silverton North Frobisher Beds Pool
446 Macoun North Winnipegosis Pool
447 Buffalo Head Frobisher-Alida Beds Pool
449 Stoughton North Frobisher Beds Pool
451 Manor Lower Watrous-Alida Beds Pool
452 Buffalo Head Bakken Sand Pool
453 Willmar North Frobisher-Alida Beds Pool
454 Oxbow Frobisher Beds Pool
455 Manor North Lower Watrous Pool
456 Storthoaks East Tilston Beds Pool
457 Redvers Tilston Beds Pool
458 Bender Tilston Beds Pool
459 Bender Central Tilston Beds Pool

462 Workman South Frobisher Beds Pool
463 Creelman Alida Beds Pool
472 Thirty Lake Alida Beds Pool
473 Arcola South Frobisher-Alida Beds Pool
476 Storthoaks North Tilston Beds Pool
477 Wauchope South Alida Beds Pool
479 Wapella Mannville Sand Pool
481 Edenvale North Tilston Beds Pool
482 Northgate East Frobisher Beds Pool
484 Kisbey South Frobisher-Alida Beds Pool
486 Big Marsh Lake Tilston Beds Pool
487 Clarilaw East Frobisher-Alida Beds Pool
488 Wordsworth East Frobisher Beds Pool
489 Lightning South Tilston Beds Pool
492 Pinto East Midale Beds Pool
493 Wauchope Central Tilston Beds Pool
497 Viewfield East Frobisher Beds Pool
499 Heward South Frobisher Beds Pool
501 Fremantle Lower Watrous Pool
504 Service Tilston Beds Pool
505 Queensdale West Lower Watrous Pool
506 Wordsworth North Frobisher-Alida Beds Pool
508 Welwyn Red Jacket Pool
511 Red Jacket South Red Jacket Sand Pool
520 Alameda East Frobisher Beds Pool
518 Ingoldsby North Alida Beds Pool
524 Elcott East Midale Beds Pool
533 Nottingham East Tilston Beds Pool
534 Nottingham South Frobisher-Alida Beds Pool
537 Steelman Winnipegosis Pool
543 Welwyn South Bakken Sand Pool
547 Wapella Red Jacket Sand Pool
553 Huntoon North Frobisher Beds Pool
562 Macoun South Midale Beds Pool
574 Storthoaks Tilston Beds Pool
578 Carlyle Alida Beds Pool
580 Silverton East Frobisher Beds Pool
601 Hartaven Winnipeg Sand Pool

POOL LOCATION GUIDE AND MAP INDEX

Map	Pool	Pool Name
B-3	354	Aberfeldy G.P. Sand Pool
B-3	114	Aberfeldy Sparky Sand Pool
B-7	520	Alameda East Frobisher Beds Pool
B-7	1	Alameda Midale Beds Pool
B-7	283	Alameda West Frobisher Beds Pool
B-7	282	Alameda West Midale Beds Pool
B-7	2	Alida East Frobisher-Alida Beds Pool
B-7	321	Alida North Alida Beds Pool
B-7	3	Alida West Frobisher-Alida Beds Pool
B-4	166	Alsask Basal Mannville Sand Pool
B-6	509	Amulet Ratcliffe Beds Pool
B-5	582	Antelope Cantuar Sand Pool
B-5	275	Antelope Lake East Roseray Sand Pool
B-5	544	Antelope Lake North Cantuar Sand Pool
B-5	538	Antelope Lake North Success-Roseray Sand
B-5	554	Antelope Lake Roseray Sand Pool
B-5	519	Antelope Lake South Roseray Sand Pool
B-5	191	Antelope Lake Upper Shaunavon Pool
B-7	4	Arcola Frobisher-Alida Beds Pool
B-7	418	Arcola North Alida Beds Pool
B-7	473	Arcola South Frobisher-Alida Beds Pool
B-7	309	Auburnton Frobisher-Alida Beds Pool
B-4	93	Avon Hill Viking Pool
B-3	255	Baldwinton Sparky Sand Pool
B-2	409	Barthel Colony Sand Gas Pool
B-5	201	Battle Creek Madison Pool
B-5	359	Battle Creek South Upper Shaunavon Pool
B-5	200	Battle Creek Upper Shaunavon Pool
B-5	381	Battrum East Roseray Sand Pool
B-5	278	Battrum North Roseray Sand Pool
B-5	5	Battrum Roseray Sand Pool
B-4	136	Bayhurst Viking Gas Pool
B-4	195	Bayhurst West Viking Gas Pool
B-2	171	Beacon Hill Mannville Sand Gas Pool
B-2	271	Beacon Hill South Mannville Sand Gas Pool
B-2	299	Beacon Hill West Mannville Sand Gas Pool
B-2	442	Bear Creek Mannville Sand Gas Pool
B-7	438	Bellegarde Tilston Beds Pool
B-5	164	Bench Upper Shaunavon Pool
B-7	459	Bender Central Tilston Beds Pool
B-7	439	Bender South Tilston Beds Pool
B-7	458	Bender Tilston Beds Pool
B-7	406	Bennett Lake Alida Beds Pool
B-7	345	Benson East Midale Beds Pool
B-7	377	Benson Frobisher Beds Pool
B-7	6	Benson Midale Beds Pool
B-5	187	Beverley Cantuar Sand Pool
B-5	228	Beverley East Cantuar Gas Pool
B-5	335	Beverley East Cantuar Sand Pool
B-5	219	Beverley North Cantuar Sand Pool
B-5	151	Beverley Roseray Sand Pool
B-7	277	Bienfait Midale Beds Pool
B-3	111	Big Gully McLaren Sand Pool
B-3	360	Big Gully North Lloydminster Sand Pool
B-3	181	Big Gully Waseca Sand Pool
B-7	486	Big Marsh Lake Tilston Beds Pool
B-5	285	Bigstick Second White Specks Gas Pool
B-3	513	Bolney Colony Sand Pool
B-5	7	Bone Creek Upper Shaunavon Pool
B-2	591	Branch Lake Colony Sand Gas Pool
B-4	198	Brock East Viking Gas Pool
B-4	113	Brock Viking Sand Gas Pool
B-6	448	Bromhead East Red River Pool
B-6	153	Bromhead Midale Beds Pool
B-2	346	Bronson Lake Colony Sand Gas Pool
B-2	347	Bronson Lake Waseca Sand Gas Pool
B-6	474	Brough Frobisher Beds Pool
B-7	8	Browning Frobisher-Alida Beds Pool
B-7	407	Browning North Frobisher-Alida Beds Pool
B-7	249	Bryant Frobisher Beds Pool
B-7	248	Bryant Midale Beds Pool
B-4	95	Buffalo Coulee Bakken Sand Pool
B-4	265	Buffalo Coulee North Bakken Sand Pool
B-7	452	Buffalo Head Bakken Sand Pool
B-7	447	Buffalo Head Frobisher-Alida Beds Pool
B-5	297	Burstall Medicine Hat Sand Gas Pool
B-5	295	Burstall Milk River Gas Pool
B-5	296	Burstall Milk River-Medicine Hat Gas Pool
B-5	305	Burstall North Viking Sand Gas Pool
B-5	157	Butte Upper Shaunavon Pool
B-5	236	Butte West Upper Shaunavon Pool
B-3	252	Buzzard Lloydminster Sand Pool
B-3	565	Buzzard North G.P. Sand Pool
B-3	566	Buzzard North Lloydminster Sand Pool
B-3	567	Buzzard North Mannville Sands Pool
B-3	564	Buzzard North Sparky Sand Pool
B-3	563	Buzzard North Waseca Sand Pool
B-4	242	Cactus Lake Basal Mannville-Bakken Sand
B-4	403	Cactus Lake North McLaren Sand Pool
B-7	9	Cantal Frobisher-Alida Beds Pool
B-7	308	Cantal South Frobisher-Alida Beds Pool
B-5	170	Cantuar East Cantuar Sand Pool
B-5	585	Cantuar East Lower Shaunavon Pool
B-5	152	Cantuar East Roseray Sand Pool
B-5	150	Cantuar Roseray Sand Pool
B-5	149	Cantuar Main Cantuar Sand Pool
B-5	333	Cantuar North Roseray Sand Pool
B-7	578	Carlyle Alida Beds Pool
B-7	417	Carlyle South Lower Watrous Pool
B-7	11	Carnduff Frobisher Beds Pool
B-7	12	Carnduff Midale Beds Pool
B-3	443	Carruthers Colony Sand Gas Pool
B-3	598	Carruthers Cummings Sand Pool
B-3	269	Cavalier Spinney Hill Sand Gas Pool
B-3	276	Celtic G.P. Sand Pool
B-3	223	Celtic Mannville Sands Pool
B-3	222	Celtic Sparky Sand Pool
B-3	221	Celtic Waseca Sand Pool
B-6	412	Ceylon Bakken Sand Pool
B-5	338	Chambery Upper Shaunavon Pool
B-7	487	Clarilaw East Frobisher-Alida Beds Pool
B-7	130	Clarilaw Frobisher-Alida Beds Pool
B-7	131	Clarilaw West Frobisher-Alida Beds Pool
B-5	180	Clintonville Shaunavon Pool
B-2	471	Cold Lake Colony Sand Gas Pool
B-4	94	Coleville Bakken Sand Pool
B-4	302	Coleville Mannville Sand Pool
B-4	300	Coleville South Bakken Sand Pool
B-4	484	Coleville South Success Pool
B-4	301	Coleville South Mannville Sand Pool
B-4	97	Coleville-Smiley Viking Gas Pool
B-4	600	Coleville West Bakken Sand Pool
B-6	388	Colgate Midale Beds Pool
B-5	162	Consul Second White Specks Gas Pool
B-5	163	Consul Upper Shaunavon Gas Pool
B-7	404	Coothill Red Jacket Sand Pool
B-4	294	Cosine Lake Lloydminster Sand Pool
B-4	306	Court Bakken Sand Pool
B-4	517	Court South Bakken Sand Pool
B-5	584	Covington South Upper Shaunavon Pool
B-5	121	Covington Upper Shaunavon Pool
B-5	190	Covington West Upper Shaunavon Pool
B-5	575	Crane Lake Medicine Hat Gas Pool
B-5	389	Crane Lake Milk River Gas Pool
B-5	576	Crane Lake Milk River-Medicine Hat Gas Pool
B-5	595	Crane Lake South Medicine Hat Gas Pool
B-5	372	Crane Lake South Milk River Gas Pool
B-5	596	Crane Lake S. Milk River-Med. Hat Gas Pool
B-5	373	Crane Lake South Second White Specks Gas
B-7	463	Creelman Alida Beds Pool
B-7	147	Crystal Hill Souris Valley Beds Pool
B-5	428	Cypress Second White Specks Gas Pool
B-6	483	Dahinda Madison Pool
B-7	141	Dalesboro Frobisher-Alida Beds Pool
B-7	408	Dalesboro North Frobisher-Alida Beds Pool
B-3	288	Dee Valley East Mannville Sands Pool
B-3	231	Dee Valley East Sparky Sand Pool
B-3	230	Dee Valley East Waseca Sand Pool
B-3	594	Dee Valley South Waseca Sand Pool
B-3	183	Dee Valley Waseca Sand Pool
B-5	13	Delta Upper Shaunavon Pool
B-5	514	Delta West Upper Shaunavon Pool
B-5	540	Divide Madison Pool
B-4	184	Dodsland North Viking Gas Pool
B-4	101	Dodsland Viking Sand Pool
B-5	357	Dollard Lower Shaunavon Pool
B-5	14	Dollard Upper Shaunavon Pool
B-4	349	Driver Bakken Sand Gas Pool
B-4	348	Driver Mannville Sand Gas Pool
B-4	264	Druid Mannville Sands Pool
B-3	556	Dulwich East G.P. Sand Pool
B-3	555	Dulwich East Sparky Sand Pool
B-3	557	Dulwich East Rex Sand Pool
B-3	142	Dulwich North Sparky Sand Pool
B-3	116	Dulwich Sparky Sand Pool
B-3	341	Ear Lake Waseca Sand Pool
B-5	123	Eastbrook Shaunavon Pool
B-5	240	Eastend Shaunavon Pool
B-3	542	Edam North Lloydminster Sand Pool
B-3	541	Edam North Sparky Sand Pool
B-3	208	Edam North Waseca Sand Pool
B-3	259	Edam Waseca Sand Pool
B-3	289	Edam West Mannville Sands Pool
B-3	287	Edam West Sparky/G.P. Sand Pool
B-3	286	Edam West Waseca Sand Pool
B-7	481	Edenvale North Tilston Beds Pool
B-7	193	Edenvale Tilston Beds Pool
B-7	524	Elcott East Midale Beds Pool
B-7	18	Elmore Frobisher Beds Pool
B-7	17	Elmore Midale Beds Pool
B-6	15	Elswick East Midale Beds Pool
B-6	334	Elswick Midale Beds Pool
B-6	510	Elswick South Midale Beds Pool
B-3	84	Epping G.P. Sand Pool
B-3	515	Epping Mannville Sands Pool
B-3	99	Epping South Sparky Sand Pool
B-3	83	Epping Sparky Sand Pool
B-4	528	Ermine Mannville Sands Pool
B-4	90	Eureka Viking Pool
B-3	328	Evesham North McLaren Sand Pool
B-3	329	Evesham North Sparky Sand Pool
B-3	330	Evesham Sparky Sand Pool
B-3	196	Eyehill Cummings-Dina Sand Pool
B-3	414	Eyehill North Cummings Sand Pool
B-3	415	Eyehill North Sparky Sand Pool
B-7	284	Fertile Tilston Beds Pool
B-7	319	Fertile Tilston-Souris Valley Beds Pool
B-6	18	Flat Lake Ratcliffe Beds Pool
B-2	292	Flat Valley Colony Sand Gas Pool
B-2	291	Flat Valley St. Walburg Sand Gas Pool
B-7	144	Florence Frobisher Beds Pool
B-3	172	Forest Bank Mannville Sands Pool
B-3	225	Forest Bank Sparky Sand Pool
B-3	226	Forest Bank Waseca Sand Pool

POOL LOCATION GUIDE AND MAP INDEX

Map	Pool	Pool Name
B-4	325	Forgan Viking Sand Pool
B-4	421	Forgan West Viking Sand Pool
B-2	270	Fort Pitt Colony Sand Gas Pool
B-2	362	Fort Pitt North Colony Sand Gas Pool
B-2	363	Fort Pitt North Waseca Sand Gas Pool
B-5	19	Fosterton Roseray Sand Pool
B-5	323	Fosterton South Cantuar Sand Pool
B-5	324	Fosterton South Roseray Sand Pool
B-6	158	Freda Lake Ratcliffe Beds Pool
B-5	358	Freefight Milk River Gas Pool
B-5	469	Freefight North Milk River Gas Pool
B-3	546	Freemont Mannville Sands Pool
B-3	241	Freemont Sparky Sand Pool
B-3	224	Freemont Waseca Sand Pool
B-7	128	Freestone Frobisher-Alida Beds Pool
B-7	501	Fremantle Lower Watrous Pool
B-2	385	Frenchman Butte Colony Sand Gas Pool
B-2	384	Frenchman Butte St. Walburg Sand Gas Pool
B-2	386	Frenchman Butte Waseca Sand Gas Pool
B-7	320	Frys East Tilston-Souris Valley Beds Pool
B-7	197	Frys Tilston-Souris Valley Beds Pool
B-3	179	Furness Sparky Sand Pool
B-4	207	Fusilier Bakken Sand Pool
B-7	87	Gainsborough Frobisher-Alida Beds Pool
B-7	370	Gainsborough North Frobisher-Alida Beds
B-7	387	Gainsborough West Frobisher Beds Pool
B-5	451	Gardenhead South Upper Shaunavon Pool
B-5	450	Gardenhead Upper Shaunavon Pool
B-7	20	Glen Ewen Frobisher Beds Pool
B-7	21	Glen Ewen Midale Beds Pool
B-4	194	Glidden Viking Gas Pool
B-3	339	Golden Lake North Mannville Sands Pool
B-3	177	Golden Lake North Sparky Sand Pool
B-3	173	Golden Lake North Waseca Sand Pool
B-3	353	Golden Lake South Mannville Sands Pool
B-3	103	Golden Lake South Sparky Sand Pool
B-3	176	Golden Lake South Waseca Sand Pool
B-2	551	Gold Lake Colony Sand Gas Pool
B-4	192	Greenan Viking Gas Pool
B-6	160	Griffin Frobisher Beds Pool
B-6	437	Griffin North Frobisher Beds Pool
B-5	148	Gull Lake Basal Cantuar Sand Pool
B-5	189	Gull Lake Cantuar Gas Pool
B-5	146	Gull Lake Central Upper Shaunavon Pool
B-5	561	Gull Lake North Basal Cantuar Sand Pool
B-5	22	Gull Lake North Upper Shaunavon Pool
B-5	495	Gull Lake Roseray Sand Pool
B-5	137	Gull Lake South Upper Shaunavon Pool
B-3	174	Gully Lake Waseca Sand Pool
B-3	531	Hallam Colony Sand Gas Pool
B-3	532	Hallam McLaren Sand Gas Pool
B-7	23	Handsworth Alida Beds Pool
B-7	119	Hartaven Frobisher-Alida Beds Pool
B-7	601	Hartaven Winnipeg Sand Pool
B-7	280	Hastings East Frobisher Beds Pool
B-7	81	Hastings Frobisher Beds Pool
B-7	374	Hastings West Frobisher Beds Pool
B-5	214	Hatton Medicine Hat Sand Gas Pool
B-5	216	Hatton Milk River Gas Pool
B-5	215	Hatton Milk River-Medicine Hat Gas Pool
B-7	394	Hazelwood Central Tilston Beds Pool
B-7	375	Hazelwood South Tilston Beds Pool
B-7	89	Hazelwood Tilston Beds Pool
B-7	356	Hazelwood West Tilston Beds Pool
B-5	24	Hazlet Roseray Sand Pool
B-4	298	Hearts Hill Bakken Sand Pool
B-7	430	Heward Frobisher Beds Pool
B-7	499	Heward South Frobisher Beds Pool
B-3	526	Hillmond Colony Sand Gas Pool
B-3	366	Hillmond G.P. Sand Pool
B-3	527	Hillmond Lloydminster Sand Gas Pool
B-3	365	Hillmond Sparky Sand Pool
B-7	444	Hitchcock Winnipegosis Pool
B-6	331	Hoffer Ratcliffe Beds Pool
B-4	206	Hoosier Bakken Sand Pool
B-4	96	Hoosier Viking Gas Pool
B-6	143	Hume Frobisher Beds Pool
B-6	156	Hume Midale Beds Pool
B-6	381	Hummingbird Bakken Sand Pool
B-6	139	Hummingbird Birdbear Pool
B-6	140	Hummingbird Ratcliffe Beds Pool
B-6	586	Hummingbird South Bakken Pool
B-6	587	Hummingbird South Ratcliffe Beds Pool
B-7	27	Huntoon Frobisher Beds Pool
B-7	553	Huntoon North Frobisher Beds Pool
B-7	26	Huntoon Midale Beds Pool
B-5	28	Ilerbrun Upper Shaunavon Pool
B-5	364	Ingebrigt Milk River Gas Pool
B-7	389	Ingoldsby East Alida Beds Pool
B-7	80	Ingoldsby Frobisher-Alida Beds Pool
B-7	516	Ingoldsby North Alida Beds Pool
B-7	332	Ingoldsby West Frobisher-Alida Beds Pool
B-6, B-7	29	Innes Frobisher Beds Pool
B-5	30	Instow Upper Shaunavon Pool
B-5	293	Java Cantuar Sand Pool
B-5	581	Java North Cantuar Sand Pool
B-5	599	Java West Cantuar Sand Pool
B-5	31	Johnston Upper Shaunavon Pool
B-7	420	Kennedy Souris Valley Beds Pool
B-7	88	Kenosee Tilston Beds Pool
B-4	307	Kerrobert Viking Sand Pool
B-4	416	Kindersley Viking Gas Pool
B-7	227	Kisbey Birdbear Pool
B-7	378	Kisbey Frobisher-Alida Beds Pool
B-7	484	Kisbey South Frobisher-Alida Beds Pool
B-6	127	Lake Alma Ratcliffe Beds Pool
B-3	105	Landrose McLaren Sand Pool
B-3	104	Landrose Waseca Sand Pool
B-3	507	Lashburn McLaren Sand Gas Pool
B-3	237	Lashburn South Sparky Sand Pool
B-3	220	Lashburn South Waseca Sand Pool
B-3	115	Lashburn Waseca Sand Pool
B-3	260	Lashburn West Sparky Sand Pool
B-5	32	Leitchville Shaunavon Pool
B-5	33	Leon Lake Shaunavon Pool
B-5	217	Liebenthal Milk River Gas Pool
B-7	489	Lightning South Tilston Beds Pool
B-7	82	Lightning Tilston Beds Pool
B-3	118	Lloydminster Colony Sand Gas Pool
B-3	491	Lloydminster North Colony Sand Gas Pool
B-3	229	Lloydminster Sparky Sand Pool
B-3	100	Lone Rock Sparky Sand Pool
B-3	400	Long Lake Waseca Sand Pool
B-2	478	Loon Lake Colony Sand Gas Pool
B-7	34	Lost Horse Hill Frobisher-Alida Beds Pool
B-6	35	Lougheed Midale Beds Pool
B-4	210	Loverna Success Pool
B-4	475	Loverna North Bakken Sand Gas Pool
B-4	352	Loverna North Mannville Sand Gas Pool
B-4	351	Loverna South Bakken Sand Gas Pool
B-4	350	Loverna South Viking Gas Pool
B-4	355	Loverna West Bakken Sand Gas Pool
B-3	110	Low Lake Waseca Sand Pool
B-4	185	Lucky Hills Viking Pool
B-4	304	Luseland Bakken Sand Pool
B-4	498	Luseland Viking Sand Gas Pool
B-3	233	Macklin Sparky Sand Pool
B-7	168	Macoun Midale Beds Pool
B-7	446	Macoun North Winnipegosis Pool
B-7	562	Macoun South Midale Beds Pool
B-7	250	Macoun West Midale Beds Pool
B-7	424	Macoun Winnipegosis Pool
B-3	490	Maidstone Mannville Sands Pool
B-3	273	Maidstone McLaren Sand Pool
B-3	281	Maidstone Waseca Sand Pool
B-5	36	Main Success Roseray Sand Pool
B-2	383	Makwa Mannville Sand Gas Pool
B-3	388	Manito Lake East McLaren Sand Pool
B-3	318	Manito Lake Sparky Sand Pool
B-7	451	Manor Lower Watrous-Alida Beds Pool
B-7	455	Manor North Lower Watrous Pool
B-4	552	Mantario East Basal Mannville Sand Pool
B-4	522	Manitario North Basal Mannville Sand Pool
B-4	419	Marengo South Basal Mannville Sand Pool
B-4	212	Marengo Viking Gas Pool
B-3	405	Marsden North Sparky Sand Pool
B-3	261	Marsden South Sparky Sand Pool
B-3	108	Marsden Sparky Sand Pool
B-7	37	Melrose Frobisher-Alida Beds Pool
B-3	521	Meota Lloydminster Sand Pool
B-5	458	Merryflat Second White Specks Gas Pool
B-3	559	Mervin Waseca Sand Pool
B-6, B-7	38	Midale Central Frobisher Beds Pool
B-6, B-7	39	Midale Central Midale Beds Pool
B-6	583	Midale Red River Pool
B-6	593	Midale West Red River Pool
B-4	523	Milton Bakken Sand Pool
B-4	592	Milton Success Pool
B-4	91	Milton Viking Sand Gas Pool
B-7	247	Minard Midale Beds Pool
B-6	502	Minton Red River Pool
B-6	503	Minton Winnipegosis Pool
B-5	560	Monchy Second White Specks Gas Pool
B-7	40	Moose Mountain Tilston Beds Pool
B-7	429	Moose Valley South Tilston Beds Pool
B-7	102	Moose Valley Tilston Beds Pool
B-7	401	Moosomin Red Jacket Sand Pool
B-7	182	Morrisview Frobisher-Alida Beds Pool
B-7	413	Morrisview West Frobisher-Alida Beds Pool
B-2	441	Mudie Lake Colony Sand Gas Pool
B-3	425	Neilburg Colony Sand Pool
B-3	426	Neilburg Mannville Sands Pool
B-3	251	Neilburg McLaren Sand Pool
B-6	432	Neptune North Midale Beds Pool
B-6	161	Neptune Ratcliffe Beds Pool
B-7	85	North Antler Midale Beds Pool
B-7	41	North Handsworth Alida Beds Pool
B-4	42	North Hoosier Bakken Sand Pool
B-4	43	North Hoosier Basal Mannville Sand Pool
B-7	431	North Portal Midale Beds Pool
B-5	44	North Premier Roseray Sand Pool
B-5	45	North Premier Upper Shaunavon Pool
B-4	303	North Smiley Bakken Sand Pool
B-7	482	Northgate East Frobisher Beds Pool
B-7	132	Northgate Frobisher Beds Pool
B-7	155	Northgate Midale Beds Pool
B-3	254	Northminster North G.P. Sand Pool
B-3	253	Northminster North Sparky Sand Pool
B-3	109	Northminster Sparky Sand Pool
B-7	46	Nottingham Alida Beds Pool
B-7	533	Nottingham East Tilston Beds Pool
B-7	422	Nottingham North Tilston Beds Pool
B-7	534	Nottingham South Frobisher-Alida Beds Pool
B-5	340	Notukeu Upper Shaunavon Pool

POOL LOCATIO' .UIDE AND MAP INDEX

Map	Pool	Pool Name
B-7	47	Oakley Frobisher Beds Pool
B-4	396	Onward Basal Mannville Sand Pool
B-7	440	Openshaw Frobisher Beds Pool
B-6	48	Oungre Ratcliffe Beds Pool
B-7	454	Oxbow Frobisher Beds Pool
B-2, B-3	549	Paradise Hill Colony Sand Gas Pool
B-2, B-3	550	Paradise Hill Waseca Sand Gas Pool
B-7	49	Parkman Souris Valley Beds Pool
B-7	175	Parkman South Tilston-Souris Valley Beds
B-7	51	Parkman Tilston Beds Pool
B-7	50	Parkman Tilston-Souris Valley Beds Pool
B-2	209	Peck Lake Colony Sand Gas Pool
B-5	165	Pennant Upper Shaunavon Pool
B-2	232	Pierceland Mannville Sand Gas Pool
B-2	470	Pierceland West Colony Sand Gas Pool
B-3	239	Pikes Peak G.P. Sand Pool
B-3	238	Pikes Peak Sparky Sand Pool
B-3	211	Pikes Peak Waseca Sand Pool
B-7	492	Pinto East Midale Beds Pool
B-7	52	Pinto Frobisher Beds Pool
B-7	53	Pinto Midale Beds Pool
B-4	262	Plato North Viking Pool
B-4	154	Plato Viking Pool
B-4	379	Plenty Viking Sand Pool
B-4	286	Plover Lake Bakken Sand Pool
B-4	577	Plover Lake East Bakken Sand Pool
B-4	25	Plover Lake McLaren Sand Pool
B-4	587	Plover Lake West Bakken Sand Pool
B-4	546	Prairiedale East Viking Gas Pool
B-4	337	Prairiedale Viking Sand Pool
B-4	486	Primate Mannville Sand Gas Pool
B-2	485	Primrose Lake Mannville Sand Gas Pool
B-2	512	Primrose Lake East Mannville Sand Gas Pool
B-7	54	Queensdale East Frobisher-Alida Beds Pool
B-7	55	Queensdale North Alida Beds Pool
B-7	56	Queensdale West Alida Beds Pool
B-7	505	Queensdale West Lower Watrous Pool
B-6	205	Ralph Midale Beds Pool
B-6	10	Ralph West Midale Beds Pool
B-5	539	Rangeview East Madison Pool
B-5	480	Rangeview Madison Pool
B-5	494	Rapdan North Lower Shaunavon Pool
B-5	480	Rapdan South Upper Shaunavon Pool
B-5	57	Rapdan Upper Shaunavon Pool
B-5	178	Rapdan West Shaunavon Pool
B-7	311	Red Jacket Gravelbourg Pool
B-7	310	Red Jacket Sand Pool
B-7	511	Red Jacket South Red Jacket Sand Pool
B-7	457	Redvers Tilston Beds Pool
B-3	525	Rex Lloydminster Sand Pool
B-7	108	Rocanville Bakken Sand Pool
B-6	58	Roncott Bakken Sand Pool
B-7	59	Rosebank Alida Beds Pool
B-7	60	Rosebank South Alida Beds Pool
B-3	558	Rush Lake G.P. Sand Pool
B-3	322	Rush Lake Mannville Sands Pool
B-3	274	Rush Lake Sparky Sand Pool
B-3	272	Rush Lake Waseca Sand Pool
B-3	496	Rutland Cummings-Dina Sand Pool
B-3	312	Salt Lake Lloydminster Sand Pool
B-4	467	Salvador Mannville Sand Gas Pool
B-5	327	Senate Second White Specks Gas Pool
B-3	395	Senlac Cummings-Dina Sand Pool
B-3	267	Senlac Lloydminster Sand Pool
B-3	535	Senlac McLaren Sand Gas Pool
B-3	536	Senlac Sparky Sand Gas Pool
B-3	396	Senlac Waseca Sand Pool
B-7	504	Service Tilston Beds Pool
B-7	133	Sherwood Frobisher Beds Pool
B-3	112	Silverdale Sparky Sand Pool
B-7	580	Silverton East Frobisher Beds Pool
B-7	61	Silverton Frobisher Beds Pool
B-7	445	Silverton North Frobisher Beds Pool
B-6	189	Skinner Lake Ratcliffe Beds Pool
B-4	98	Smiley-Dewar Viking Pool
B-3	465	Soda Lake Cummings Sand Pool
B-7	120	Souris Flat Frobisher Beds Pool
B-7	423	Souris Flat South Frobisher Beds Pool
B-7	86	South Fletwode Tilston Beds Pool
B-5	62	South Success Roseray Sand Pool
B-2, B-3	391	Spruce Lake Mannville Sand Gas Pool
B-2	500	Spruce Lake North Colony Sand Gas Pool
B-3	570	Standard Hill North G.P. Sand Pool
B-3	571	Standard Hill North Rex Sand Pool
B-3	569	Standard Hill North Sparky Sand Pool
B-3	568	Standard Hill North Waseca Sand Pool
B-3	199	Standard Hill Waseca Sand Pool
B-7	129	Star Valley Frobisher-Alida Beds Pool
B-7	434	Star Valley South Frobisher-Alida Beds Pool
B-7	63	Steelman Frobisher Beds Pool
B-7	64	Steelman Midale Beds Pool
B-7	537	Steelman Winnipegosis Pool
B-7	65	Storthoaks Alida Beds Pool
B-7	574	Storthoaks Tilston Beds Pool
B-7	456	Storthoaks East Tilston Beds Pool
B-7	476	Storthoaks North Tilston Beds Pool
B-7	66	Stoughton Frobisher-Alida Beds Pool
B-7	449	Stoughton North Frobisher Beds Pool
B-7	218	Stoughton South Frobisher Beds Pool
B-5	268	Success North Roseray Sand Pool
B-5	67	Success Roseray Sand Pool Alpha Pool
B-5	579	Suffield Basal Cantuar Sand Pool
B-5	69	Suffield Roseray Sand Pool
B-5	68	Suffield Upper Shaunavon Pool
B-4	380	Superb Bakken Sand Gas Pool
B-4	589	Superb North Waseca Sand Gas Pool
B-7	371	Tableland Winnipegosis Pool
B-3	315	Tangleflags Colony Sand Gas Pool
B-3	256	Tangleflags East McLaren Sand Pool
B-3	204	Tangleflags G.P. Sand Pool
B-3	202	Tangleflags Lloydminster Sand Pool
B-3	213	Tangleflags Mannville Sands Pool
B-3	316	Tangleflags McLaren Sand Gas Pool
B-3	317	Tangleflags McLaren Sand Pool
B-3	234	Tangleflags North G.P. Sand Pool
B-3	235	Tangleflags N. Lloyd.-Cummings Sand Pool
B-3	313	Tangleflags Second White Specks Gas Pool
B-3	203	Tangleflags Sparky Sand Pool
B-3	314	Tangleflags St. Walburg Sand Gas Pool
B-3	245	Tangleflags West G.P. Sand Pool
B-3	246	Tangleflags West Lloyd. Sand Pool
B-3	343	Tangleflags West Mannville Sands Pool
B-3	342	Tangleflags West McLaren Sand Pool
B-3	244	Tangleflags West Sparky Sand Pool
B-6	135	Tatagwa Central Midale Beds Pool
B-6	243	Tatagwa Midale Beds Pool
B-6	344	Tatagwa North Midale Beds Pool
B-6	427	Tatagwa West Midale Beds Pool
B-7	472	Thirty Lake Alida Beds Pool
B-4	196	Tolnes Viking Gas Pool
B-3	573	Turtleford Sparky Sand Pool
B-3	572	Turtleford Waseca Sand Pool
B-6	433	Union Jack Midale Beds Pool
B-3	125	Unity South Sparky Sand Gas Pool
B-3	126	Unity South Unity Sand Gas Pool
B-3	122	Unity South Viking Sand Gas Pool
B-4	390	Verendrye North Viking Sand Gas Pool
B-4	387	Verendrye Viking Sand Pool
B-5	70	Verlo Roseray Sand Pool
B-7	71	View Hill Midale Beds Pool
B-7	497	Viewfield East Frobisher Beds Pool
B-7	188	Viewfield Frobisher Beds Pool
B-7	411	Viewfield Rim Pool
B-7	547	Wapella Red Jacket Sand Pool
B-7	107	Wapella Sand Pool
B-7	479	Wapella Mannville Sand Pool
B-7	145	Warmley Alida Beds Pool
B-7	250	Wauchope Alida-Tilston Beds Pool
B-7	493	Wauchope Central Tilston Beds Pool
B-7	338	Wauchope North Tilston Beds Pool
B-7	477	Wauchope South Alida Beds Pool
B-7	435	Wauchope West Alida Beds Pool
B-5	518	Webb Cantuar Sand Pool
B-5	545	Webb South Cantuar Sand Pool
B-5	586	Webb West Cantuar Sand Pool
B-7	187	Wex Hill Frobisher Beds Pool
B-7	438	Welwyn Bakken Sand Pool
B-7	508	Welwyn Red Jacket Pool
B-7	543	Welwyn South Bakken Sand Pool
B-6	117	West Innes Frobisher Beds Pool
B-7	72	West Kingsford Midale Beds Pool
B-3	258	Westhazel G.P. Sand Pool
B-3	397	Westhazel Mannville Sands Pool
B-3	257	Westhazel Sparky Sand Pool
B-3	402	Westhazel Waseca Sand Pool
B-6	73	Weyburn Frobisher Beds Pool
B-6	74	Weyburn Midale Beds Pool
B-5	392	Wheat Valley Cantuar Sand Gas Pool
B-2	393	Whelan Mannville Sand Gas Pool
B-2	392	Whelan St. Walburg Sand Gas Pool
B-7	75	White Bear Tilston Beds Pool
B-7	78	White Bear Tilston-Souris Valley Beds Pool
B-5	124	Whitemud Shaunavon Pool
B-4	134	Whiteside Ribstone Creek Sand Gas Pool
B-4	92	Whiteside Viking Sand Pool
B-4	326	Whiteside West Ribstone Creek Sand Gas Pool
B-4	263	Whiteside West Viking Sand Gas Pool
B-7	138	Wildwood Alida Beds Pool
B-7	77	Willmar Frobisher-Alida Beds Pool
B-7	453	Willmar North Frobisher-Alida Beds Pool
B-7	410	Willmar West Frobisher Beds Pool
B-7	159	Winmore Frobisher Beds Pool
B-3	279	Winter Cummings Sand Pool
B-3	399	Winter South Cummings Sand Pool
B-7	488	Wordsworth East Frobisher Beds Pool
B-7	376	Wordsworth Frobisher-Alida Beds Pool
B-7	506	Wordsworth North Frobisher Alida Beds Pool
B-7	78	Workman Frobisher Beds Pool
B-7	79	Workman Midale Beds Pool
B-7	482	Workman South Frobisher Beds Pool
B-3	529	Yonker Colony Sand Gas Pool
B-3	530	Yonker McLaren Sand Gas Pool

RESERVOIR DATA

RESERVES AND

PRODUCTION — OIL

FIVE YEAR OIL SUMMARY

	1994	1995	1996	1997	1998
INITIAL ESTABLISHED RESERVES (Million Cubic Metres)					
Area I - Heavy	100.329	107.956	119.740	132.439	134.851
Area II - Heavy	38.948	41.840	48.394	57.242	62.798
Area II - Light	29.286	30.038	30.264	30.837	30.405
Area III - Medium	113.525	117.609	123.404	130.987	133.845
Area IV - Medium	127.776	132.553	140.480	143.213	146.443
Area IV - Light	172.493	179.284	188.183	194.681	194.839
PROVINCIAL TOTAL	582.357	609.280	650.425	689.399	702.781
REMAINING ESTABLISHED RESERVES (Million Cubic Metres)					
Area I - Heavy	35.197	37.973	44.331	50.331	48.716
Area II - Heavy	18.443	19.248	23.203	28.689	30.675
Area II - Light	5.615	5.576	5.061	5.894	4.768
Area III - Medium	17.795	19.544	22.722	27.099	25.769
Area IV - Medium	30.179	31.390	35.073	34.030	32.543
Area IV - Light	33.713	35.387	39.405	39.719	34.544
PROVINCIAL TOTAL	141.942	150.118	170.795	185.782	176.035
YEARLY PRODUCTION (Million Cubic Metres)					
Area I - Heavy	4.237	4.792	5.549	6.425	5.817
Area II - Heavy	1.572	2.085	2.587	3.357	3.558
Area II - Light	0.771	0.794	0.745	0.735	0.673
Area III - Medium	2.139	2.324	2.666	3.084	3.354
Area IV - Medium	3.356	3.672	4.106	4.282	4.350
Area IV - Light	5.079	5.031	5.151	5.502	5.393
PROVINCIAL TOTAL	17.154	18.698	20.804	23.385	23.145
NUMBER OF PRODUCING WELLS					
Area I - Heavy	3 357	3 734	4 158	4 847	4 105
Area II - Heavy	939	1 096	1 277	1 704	1 740
Area II - Light	4 602	4 766	4 876	4 991	5 005
Area III - Medium	1 416	1 569	1 739	1 999	1 998
Area IV - Medium	2 475	2 522	2 645	2 945	2 928
Area IV - Light	4 103	4 214	4 449	4 782	4 798
PROVINCIAL TOTAL	16 892	17 901	19 144	21 268	20 570
AVERAGE DECEMBER PRODUCTION (Cubic Metres Per Day)					
Area I - Heavy	12 213	13 659	16 023	19 383	15 451
Area II - Heavy	4 719	5 909	7 994	10 669	9 528
Area II - Light	2 312	2 138	2 115	2 077	1 707
Area III - Medium	5 927	6 788	7 675	9 537	8 940
Area IV - Medium	10 042	10 993	11 537	12 012	11 086
Area IV - Light	14 339	13 397	15 260	15 687	13 699
PROVINCIAL TOTAL	49 552	52 864	60 604	69 365	60 411

OIL RESERVES DATA

POOL	HORIZON	INITIAL OIL IN PLACE 1000000 m3	ESTIMATED RECOVERY PRIM. %	ESTIMATED RECOVERY ENHAN. %	ESTIMATED RECOVERY TOTAL %	INITIAL RESERVES PRIM. 1000000 m3	INITIAL RESERVES ENHAN. 1000000 m3	INITIAL RESERVES TOTAL 1000000 m3	TOTAL PROD. 12/31/98 1000000 m3	REMAINING RESERVES 1000000 m3	1998 PROD. 1000 m3	DEV. AREA ha	NET PAY m	AVE. POR. %	AVE. CONN. WATER %	FORM. VOLUME FACTOR	OIL DENSITY KG/m3	PROD. DEPTH m	SYSTEM	DISC. YEAR
AREA 1H																				
MISCELLANEOUS	BIRDBEAR	0.084	16.30	0.00	16.30	0.014	0.000	0.014	0.012	0.002	0.667	49	3.00	10.0	40.0	1.053			CRE	
	COLONY SAND	17.930	3.80	0.00	3.80	0.681	0.000	0.681	0.298	0.383	49.687	1482	5.20	35.0	30.0	1.053			CRE	
	CUMMINGS SAND	11.926	3.30	0.00	3.30	0.394	0.000	0.394	0.102	0.291	38.469	745	6.88	35.0	30.0	1.053			CRE	
	CUMMINGS-DINA SAND	2.654	1.22	0.00	1.22	0.032	0.000	0.032	0.026	0.006	2.454	97	10.57	33.0	20.0	1.020			CRE	
	DINA SAND	2.235	0.43	0.00	0.43	0.010	0.000	0.010	0.006	0.004	1.279	113	8.50	35.0	30.0	1.053			CRE	
	G.P. SAND	26.696	5.40	0.00	5.40	1.442	0.000	1.442	0.819	0.623	80.345	2169	5.29	35.0	30.0	1.053			CRE	
	LLOYDMINSTER SAND	22.213	3.62	0.00	3.62	0.804	0.000	0.804	0.283	0.521	67.919	1360	7.02	35.0	30.0	1.053			CRE	
	MANNVILLE SAND	0.581	4.05	0.00	4.05	0.024	0.000	0.024	0.018	0.006	0.919	32	7.80	35.0	30.0	1.053			CRE	
	MANNVILLE SANDS (COMMINGLED)	25.096	1.93	0.00	1.93	0.484	0.000	0.484	0.289	0.196	27.172	1263	8.54	35.0	30.0	1.053			CRE	
	MCLAREN SAND	30.557	3.43	0.00	3.43	1.048	0.000	1.048	0.510	0.538	115.534	3157	4.16	35.0	30.0	1.053			CRE	
	REX SAND	2.881	1.61	0.00	1.61	0.046	0.000	0.046	0.035	0.012	2.117	308	4.02	35.0	30.0	1.053			CRE	
	SPARKY SAND	38.599	6.45	0.00	6.45	2.490	0.000	2.490	0.919	1.570	172.414	3805	4.36	35.0	30.0	1.053			CRE	
	WASECA SAND	42.063	5.79	0.00	5.79	2.435	0.000	2.435	0.930	1.506	191.975	3424	5.28	35.0	30.0	1.053			CRE	
ABERFELDY	G.P. SAND (NON-UNIT)	0.204	0.00	20.30	20.30	0.000	0.041	0.041	0.041	0.000	0.000	24	4.27	28.0	27.6	1.020	968	537	CRE	1981
	SPARKY SAND (NON-UNIT)	14.129	4.20	0.00	4.20	0.593	0.000	0.593	0.500	0.093	17.905	858	5.50	35.0	13.0	1.017	968	535	CRE	1956
	SPARKY SAND (S. ABFDY SPKY VOL UNIT)	23.605	6.17	0.90	7.07	1.456	0.212	1.669	1.647	0.022	5.473	1522	5.18	35.0	13.0	1.017	968	535	CRE	1956
	SPARKY SAND (UNIT)	55.702	7.90	1.88	9.78	4.400	1.047	5.448	5.434	0.013	1.151	4209	4.42	35.0	13.0	1.017	968	535	CRE	1956
BALDWINTON	SPARKY SAND	1.323	8.30	0.00	8.30	0.110	0.000	0.110	0.093	0.017	0.559	210	4.00	25.0	30.0	1.111	970	599	CRE	1969
BIG GULLY	MCLAREN SAND (NON-UNIT)	1.043	4.24	0.00	4.24	0.044	0.000	0.044	0.037	0.007	1.552	97	3.59	36.0	15.3	1.018	981	496	CRE	1962
	MCLAREN SAND (VOLUNTARY UNIT NO. 1)	9.860	5.70	3.28	8.98	0.562	0.323	0.885	0.834	0.051	10.597	1101	2.99	36.0	15.3	1.018	965	496	CRE	1962
	WASECA SAND (NON-UNIT)	0.351	8.47	0.00	8.47	0.030	0.000	0.030	0.022	0.008	1.187	16	7.32	36.0	15.3	1.018	972	479	CRE	1962
	WASECA SAND (VOLUNTARY UNIT NO. 1)	3.693	1.40	0.70	2.10	0.052	0.026	0.078	0.071	0.007	1.137	518	2.38	36.0	15.3	1.018	965	479	CRE	1962
BIG GULLY NORTH	LLOYDMINSTER SAND	2.591	1.15	0.00	1.15	0.030	0.000	0.030	0.029	0.000	0.064	194	5.56	35.0	30.0	1.020	975	542	CRE	1973
BOLNEY	COLONY SAND	11.360	3.50	8.00	11.50	0.398	0.909	1.306	0.314	0.992	95.801	356	16.00	30.0	30.0	1.053	980	465	CRE	1995
BUZZARD	LLOYDMINSTER SAND	4.508	7.45	0.00	7.45	0.336	0.000	0.336	0.278	0.057	7.656	696	4.11	25.0	30.0	1.111	971	579	CRE	1978
BUZZARD NORTH	G.P. SAND	0.250	9.50	0.00	9.50	0.024	0.000	0.024	0.005	0.019	0.523	49	2.30	30.0	25.0	1.015	985	560	CRE	1973
	LLOYDMINSTER SAND	0.307	4.20	0.00	4.20	0.013	0.000	0.013	0.015	0.000	0.000	65	2.13	30.0	25.0	1.015	985	585	CRE	1973
	SPARKY SAND	1.014	7.20	0.00	7.20	0.073	0.000	0.073	0.034	0.039	7.076	130	3.44	30.7	25.0	1.015	985	545	CRE	1973
	WASECA SAND	0.292	1.45	0.00	1.45	0.004	0.000	0.004	0.001	0.003	0.422	32	4.75	30.0	35.0	1.015	985	530	CRE	1973
CARRUTHERS	CUMMINGS SAND	8.396	3.17	0.00	3.17	0.266	0.000	0.266	0.117	0.149	33.630	842	5.00	30.0	30.0	1.053	985	640	CRE	1980
CELTIC	G.P. SAND	24.781	6.15	3.84	9.99	1.524	0.952	2.476	1.147	1.329	106.141	1683	6.28	35.0	31.0	1.030	985	477	CRE	1968
	SPARKY SAND	42.162	7.23	0.00	7.23	3.048	0.000	3.048	0.983	2.066	132.420	2884	5.54	35.0	24.0	1.008	975	463	CRE	1968
	WASECA SAND	110.367	2.50	1.70	4.20	2.759	1.876	4.635	2.338	2.296	287.988	5241	7.98	35.0	24.0	1.008	968	451	CRE	1968
DEE VALLEY	WASECA SAND	16.996	11.20	0.00	11.20	1.904	0.000	1.904	0.799	1.104	56.393	1536	3.82	35.0	16.0	1.015	976	460	CRE	1967
DEE VALLEY EAST	SPARKY SAND	14.121	5.50	0.00	5.50	0.777	0.000	0.777	0.134	0.642	25.675	1098	4.44	35.0	16.0	1.015	969	490	CRE	1988
	WASECA SAND	9.909	8.50	0.00	8.50	0.842	0.000	0.842	0.235	0.607	24.610	905	3.78	35.0	16.0	1.015	971	464	CRE	1970
DEE VALLEY SOUTH	WASECA SAND	0.277	34.50	0.00	34.50	0.095	0.000	0.095	0.013	0.082	8.966	32	4.50	30.0	35.0	1.015	972	485	CRE	1996
DULWICH	SPARKY SAND	13.554	8.00	5.05	13.05	1.084	0.684	1.769	1.749	0.020	3.535	1683	3.11	34.0	15.0	1.116	962	556	CRE	1948

OIL RESERVES DATA

POOL	HORIZON	INITIAL OIL IN PLACE	ESTIMATED RECOVERY PRIM.	ENHAN.	TOTAL	INITIAL RESERVES PRIM.	ENHAN.	TOTAL	TOTAL PROD. 12/31/98	REMAINING RESERVES	1998 PROD.	DEV. AREA	NET PAY	AVE. POR.	AVE. CONN. WATER	FORM. VOLUME FACTOR	OIL DENSITY	PROD. DEPTH	SYSTEM	DISC. YEAR
		1000000 m3	%			1000000 m3					1000 m3	ha	m	%			KG/m3	m		
DULWICH EAST	G.P. SAND	2.866	5.80	0.00	5.80	0.166	0.000	0.166	0.093	0.073	7.709	146	7.58	34.0	15.0	1.116	960	560	CRE	1972
	REX SAND	2.060	1.06	0.00	1.06	0.022	0.000	0.022	0.015	0.007	0.347	97	8.20	34.0	15.0	1.116	960	570	CRE	1972
	SPARKY SAND	1.668	6.10	0.00	6.10	0.102	0.000	0.102	0.089	0.012	1.956	97	6.64	34.0	15.0	1.116	960	550	CRE	1972
DULWICH NORTH	SPARKY SAND (N. DULWICH VOL UNIT)	1.341	4.50	11.65	16.15	0.060	0.156	0.217	0.216	0.000	0.000	113	3.96	35.0	13.0	1.016	957	551	CRE	1954
	SPARKY SAND (NON-UNIT)	0.585	1.38	0.00	1.38	0.008	0.000	0.008	0.006	0.002	0.279	32	6.10	35.0	13.0	1.016	957	551	CRE	1954
EAR LAKE	WASECA SAND	1.143	4.90	0.00	4.90	0.056	0.000	0.056	0.056	0.000	0.290	178	2.91	35.0	30.0	1.110	977	656	CRE	1979
EDAM	WASECA SAND	27.857	11.60	0.00	11.60	3.231	0.000	3.231	1.156	2.075	185.461	2620	6.25	27.0	30.0	1.111	988	431	CRE	1972
EDAM NORTH	LLOYDMINSTER SAND	0.811	7.45	0.00	7.45	0.060	0.000	0.060	0.047	0.013	2.394	130	3.00	33.0	30.0	1.111	980	505	CRE	1980
	WASECA SAND	8.048	11.50	0.00	11.50	0.926	0.000	0.926	0.633	0.292	38.901	866	5.90	25.0	30.0	1.111	988	444	CRE	1980
EDAM WEST	SPARKY/G.P. SAND	20.627	12.30	0.00	12.30	2.537	0.000	2.537	1.999	0.539	61.726	1862	5.47	30.0	25.0	1.111	973	467	CRE	1982
	WASECA SAND	18.215	14.10	0.00	14.10	2.568	0.000	2.568	1.749	0.819	111.052	2607	3.45	30.0	25.0	1.111	978	447	CRE	1982
EPPING	G.P. SAND (NON-UNIT)	14.764	4.08	0.00	4.08	0.602	0.000	0.602	0.557	0.045	12.240	1749	3.00	35.0	18.0	1.020	962	563	CRE	1951
	G.P. SAND (SOUTH EPPING UNIT)	4.310	3.00	8.91	11.91	0.129	0.384	0.513	0.000	0.513	0.000	1473	1.04	35.0	18.0	1.020	962	583	CRE	1951
	SPARKY SAND (NON-UNIT)	42.117	5.92	0.00	5.92	2.493	0.000	2.493	2.143	0.350	45.226	3254	4.60	35.0	18.0	1.020	968	563	CRE	1951
	SPARKY SAND (SOUTH EPPING UNIT)	23.924	5.00	7.31	12.31	1.196	1.749	2.945	2.837	0.108	20.615	1651	5.15	35.0	18.0	1.020	964	563	CRE	1951
	SPARKY SAND (SW EPPING VOL UNIT 1)	10.778	5.40	5.03	10.43	0.582	0.542	1.124	1.072	0.052	11.568	923	4.15	35.0	18.0	1.020	964	563	CRE	1951
EPPING SOUTH	SPARKY SAND	10.124	2.90	0.00	2.90	0.294	0.000	0.294	0.224	0.069	8.191	1245	2.89	35.0	18.0	1.020	970	563	CRE	1951
EVESHAM	SPARKY SAND	2.582	6.15	0.00	6.15	0.159	0.000	0.159	0.141	0.018	3.112	356	2.78	35.0	23.0	1.033	958	719	CRE	1969
EVESHAM NORTH	MCLAREN SAND	0.982	3.20	0.60	3.80	0.031	0.006	0.037	0.037	0.000	0.000	146	2.89	35.0	30.0	1.053	969	686	CRE	1982
	SPARKY SAND	1.332	7.80	0.00	7.80	0.104	0.000	0.104	0.104	0.000	0.000	227	2.25	35.0	23.0	1.033	951	734	CRE	1978
EYEHILL	CUMMINGS-DINA SAND	16.349	1.00	9.34	10.34	0.163	1.526	1.690	0.783	0.907	134.681	801	9.82	34.0	16.0	1.031	978	746	CRE	1971
EYEHILL NORTH	CUMMINGS SAND	6.573	9.50	0.00	9.50	0.624	0.000	0.624	0.393	0.231	106.374	324	8.30	30.0	16.0	1.031	970	746	CRE	1985
	SPARKY SAND	0.740	11.20	0.00	11.20	0.083	0.000	0.083	0.065	0.018	4.128	113	4.16	25.0	30.0	1.111	915	693	CRE	1985
FOREST BANK	SPARKY SAND	11.848	3.65	0.00	3.65	0.425	0.000	0.425	0.269	0.156	4.115	852	4.72	35.0	16.0	1.015	982	526	CRE	1961
	WASECA SAND	8.789	5.50	0.00	5.50	0.483	0.000	0.483	0.327	0.156	8.058	982	3.09	35.0	16.0	1.015	979	507	CRE	1963
FREEMONT	SPARKY SAND	4.523	9.50	0.00	9.50	0.430	0.000	0.430	0.260	0.170	20.914	567	3.00	35.0	20.0	1.053	963	636	CRE	1976
	WASECA SAND	5.126	9.10	0.00	9.10	0.466	0.000	0.466	0.294	0.173	33.463	567	3.40	35.0	20.0	1.053	958	620	CRE	1976
FURNESS	SPARKY SAND	11.305	4.66	0.00	4.66	0.527	0.000	0.527	0.517	0.010	3.408	745	5.34	34.0	15.0	1.017	967	566	CRE	1970
GOLDEN LAKE NORTH	SPARKY SAND (GOLDEN LAKE VOL UNIT)	16.648	1.70	0.10	1.80	0.283	0.017	0.300	0.299	0.000	0.526	1749	3.43	35.0	20.0	1.009	977	506	CRE	1964
	SPARKY SAND (NON-UNIT)	3.774	4.27	0.00	4.27	0.161	0.000	0.161	0.143	0.018	4.076	340	4.00	35.0	20.0	1.009	970	506	CRE	1964
	WASECA SAND (GOLDEN LAKE VOL UNIT)	18.465	7.57	3.43	11.00	1.398	0.633	2.031	1.969	0.062	12.025	1749	4.50	30.0	20.0	1.023	964	481	CRE	1964
	WASECA SAND (NON-UNIT)	1.522	3.14	0.00	3.14	0.048	0.000	0.048	0.046	0.002	0.504	146	3.60	35.0	16.0	1.015	963	481	CRE	1964
GOLDEN LAKE SOUTH	SPARKY SAND (NON-UNIT)	26.621	2.50	1.38	3.88	0.666	0.367	1.033	0.749	0.284	8.765	1490	6.30	35.0	18.0	1.012	978	490	CRE	1964
	SPARKY SAND (VOLUNTARY UNIT NO. 1)	4.875	3.54	0.00	3.54	0.173	0.000	0.173	0.171	0.002	1.584	259	8.00	30.0	20.0	1.020	978	490	CRE	1964
	WASECA SAND (GOLDEN LAKE S VOL UNIT)	23.247	8.10	2.80	10.90	1.883	0.651	2.534	2.289	0.245	55.415	2202	4.50	30.0	20.0	1.023	966	473	CRE	1964
	WASECA SAND (NON-UNIT)	7.357	7.56	0.00	7.56	0.556	0.000	0.556	0.511	0.045	6.596	615	4.13	35.0	16.0	1.015	966	473	CRE	1964
GULLY LAKE	WASECA SAND (NON-UNIT)	16.889	10.40	0.00	10.40	1.756	0.000	1.756	1.366	0.390	42.297	1230	4.73	35.7	16.0	1.033	969	472	CRE	1949
	WASECA SAND (VOLUNTARY UNIT NO. 1)	10.986	7.00	3.15	10.15	0.769	0.346	1.115	1.062	0.053	7.060	874	4.33	35.7	16.0	1.033	963	472	CRE	1949
HILLMOND	G.P. SAND	2.165	0.81	0.00	0.81	0.018	0.000	0.018	0.013	0.005	0.618	243	3.71	35.0	30.0	1.020	970	507	CRE	1977
	SPARKY SAND	1.868	7.80	0.00	7.80	0.146	0.000	0.146	0.065	0.081	17.609	275	2.85	35.0	30.0	1.028	970	494	CRE	1977

OIL RESERVES DATA

POOL	HORIZON	INITIAL OIL IN PLACE	ESTIMATED RECOVERY PRIM.	ENHAN.	TOTAL	INITIAL RESERVES PRIM.	ENHAN.	TOTAL	TOTAL PROD. 12/31/98	REMAINING RESERVES	1998 PROD.	DEV. AREA	NET PAY	AVE. POR.	AVE. CONN. WATER	FORM. VOLUME FACTOR	OIL DENSITY	PROD DEPTH	SYSTEM	DISC. YEAR
		1000000 m3	%			1000000 m3					1000 m3	ha	m	%			KG/m3	m		
LANDROSE	MCLAREN SAND	3 239	4 40	0 00	4 40	0 143	0 000	0 143	0 141	0 001	0 583	340	4 18	30 0	20 0	1 053	981	513	CRE	1950
	WASECA SAND	2 589	6 25	0 00	6 25	0 162	0 000	0 162	0 138	0 024	6 387	243	3 67	36 0	18 0	1 017	983	521	CRE	1950
LASHBURN	SPARKY	4 116	9 50	0 00	9 50	0 391	0 000	0 391	0 207	0 185	23 388	437	3 91	35 0	30 0	1 017	990	520	CRE	1963
	WASECA SAND (NON-UNIT)	6 251	6 60	0 00	6 60	0 413	0 000	0 413	0 290	0 122	19 610	437	4 89	35 0	15 0	1 017	983	518	CRE	1960
	WASECA SAND (VOLUNTARY UNIT)	18 059	3 60	4 10	7 70	0 650	0 740	1 391	1 185	0 206	30 543	1263	6 22	30 0	21 0	1 031	962	518	CRE	1960
LASHBURN SOUTH	SPARKY SAND	1 803	5 00	0 00	5 00	0 090	0 000	0 090	0 062	0 028	3 958	291	2 25	35 0	20 0	1 017	983	534	CRE	1967
	WASECA SAND	8 276	7 00	0 00	7 00	0 579	0 000	0 579	0 449	0 130	18 128	615	4 60	35 0	15 0	1 017	979	524	CRE	1971
LASHBURN WEST	SPARKY SAND	6 264	9 60	0 00	9 60	0 601	0 000	0 601	0 158	0 443	50 809	874	4 55	25 0	30 0	1 111	991	537	CRE	1979
LLOYDMINSTER	SPARKY SAND	4 125	6 34	0 00	6 34	0 262	0 000	0 262	0 228	0 034	15 808	243	5 67	35 0	13 0	1 017	965	556	CRE	1952
LONE ROCK	SPARKY SAND	13 732	8 00	2 77	10 77	1 099	0 380	1 479	1 472	0 007	5 210	939	5 49	33 0	15 0	1 053	960	572	CRE	1947
LONG LAKE	WASECA SAND	12 929	9 70	0 00	9 70	1 254	0 000	1 254	0 993	0 261	68 591	516	10 92	30 0	20 0	1 050	960	572	CRE	1990
LOW LAKE	WASECA SAND	2 270	15 80	0 00	15 80	0 359	0 000	0 359	0 190	0 169	32 111	251	3 65	36 0	30 0	1 017	971	509	CRE	1950
MACKLIN	SPARKY SAND	8 703	7 16	2 32	9 48	0 623	0 202	0 825	0 580	0 245	21 096	1222	2 73	35 0	23 0	1 033	947	712	CRE	1976
MAIDSTONE	MCLAREN SAND	9 050	7 24	0 00	7 24	0 655	0 000	0 655	0 496	0 159	22 624	2168	2 65	25 0	30 0	1 111	983	500	CRE	1978
	WASECA SAND	1 521	6 00	0 00	6 00	0 091	0 000	0 091	0 082	0 009	0 971	340	2 84	25 0	30 0	1 111	973	503	CRE	1981
MANITO LAKE	SPARKY SAND	11 311	10 90	0 00	10 90	1 233	0 000	1 233	0 756	0 477	30 131	1773	4 05	25 0	30 0	1 111	965	605	CRE	1970
MANITO LAKE EAST	MCLAREN SAND	1 892	2 80	0 00	2 80	0 053	0 000	0 053	0 043	0 010	5 914	291	3 44	30 0	30 0	1 111	965	605	CRE	1979
MARSDEN	SPARKY SAND	2 177	6 85	0 00	6 85	0 149	0 000	0 149	0 139	0 010	1 738	178	4 60	35 0	20 0	1 053	982	606	CRE	1949
MARSDEN NORTH	SPARKY SAND	1 496	9 00	0 00	9 00	0 135	0 000	0 135	0 122	0 013	2 957	194	4 08	30 0	30 0	1 111	965	556	CRE	1979
MARSDEN SOUTH	SPARKY SAND (NON-UNIT)	2 612	5 60	0 00	5 60	0 146	0 000	0 146	0 122	0 024	7 575	210	5 70	30 0	25 0	1 031	946	625	CRE	1979
	SPARKY SAND (VOL UNIT NO 1)	10 830	4 60	19 90	24 50	0 498	2 155	2 653	1 387	1 267	70 242	518	9 58	30 0	25 0	1 031	946	625	CRE	1979
	SPARKY SAND (VOL UNIT NO 2)	5 005	10 00	10 70	20 70	0 500	0 535	1 036	0 642	0 394	37 220	420	5 46	30 0	25 0	1 031	946	625	CRE	1979
	SPARKY SAND (VOL UNIT NO 3)	2 229	4 95	13 10	18 05	0 110	0 292	0 402	0 252	0 151	15 345	227	4 50	30 0	25 0	1 031	946	625	CRE	1979
	SPARKY SAND (VOL UNIT NO 4)	2 933	5 00	3 20	8 20	0 147	0 094	0 241	0 095	0 146	17 947	227	5 95	30 0	25 0	1 036	946	625	CRE	1979
MEOTA	LLOYDMINSTER SAND	4 329	1 95	2 05	4 00	0 084	0 089	0 173	0 173	0 000	0 000	97	17 00	31 5	15 0	1 020	992	520	CRE	1974
MERVIN	WASECA SAND	4 068	8 40	0 00	8 40	0 342	0 000	0 342	0 196	0 146	60 454	470	4 34	30 0	30 0	1 053	980	470	CRE	1985
NEILBURG	COLONY SAND	1 408	1 68	0 00	1 68	0 024	0 000	0 024	0 019	0 004	1 491	275	2 20	35 0	30 0	1 053	953	554	CRE	1983
	MCLAREN SAND	11 968	9 40	0 00	9 40	1 125	0 000	1 125	1 018	0 107	23 060	1603	3 95	30 0	30 0	1 111	964	570	CRE	1978
NORTHMINSTER	SPARKY SAND (NON-UNIT)	7 451	1 90	0 76	2 66	0 142	0 057	0 198	0 179	0 019	5 054	437	6 00	34 0	15 0	1 017	967	541	CRE	1959
	SPARKY SAND (VOLUNTARY UNIT)	10 939	3 50	4 10	7 60	0 383	0 448	0 831	0 827	0 005	0 994	987	3 90	34 0	15 0	1 017	976	541	CRE	1959
NORTHMINSTER NORTH	G P SAND	0 858	3 84	0 00	3 84	0 033	0 000	0 033	0 023	0 010	3 399	130	4 19	25 0	30 0	1 111	984	543	CRE	1981
	SPARKY SAND	5 569	7 50	0 00	7 50	0 418	0 000	0 418	0 223	0 194	3 858	749	4 72	25 0	30 0	1 111	970	524	CRE	1981
PIKES PEAK	G P SAND	2 776	8 71	0 00	8 71	0 242	0 000	0 242	0 239	0 003	0 333	291	4 10	35 0	30 0	1 053	970	530	CRE	1970
	SPARKY SAND	2 286	0 47	0 00	0 47	0 011	0 000	0 011	0 011	0 000	0 000	599	1 84	35 0	30 0	1 053	984	515	CRE	1973
	WASECA SAND	15 521	1 70	46 40	48 10	0 264	7 202	7 466	5 527	1 939	493 655	664	8 50	33 0	15 0	1 020	978	497	CRE	1970
RUSH LAKE	G P SAND	8 347	6 60	0 00	6 60	0 551	0 000	0 551	0 332	0 219	64 761	761	6 60	25 0	30 0	1 053	970	470	CRE	1985
	SPARKY SAND	11 940	10 45	0 00	10 45	1 248	0 000	1 248	0 456	0 792	42 965	1516	5 00	25 0	30 0	1 111	978	478	CRE	1971
	WASECA SAND	12 582	13 80	0 00	13 80	1 736	0 000	1 736	0 484	1 252	96 832	1997	4 00	25 0	30 0	1 111	977	450	CRE	1971
RUTLAND	CUMMINGS-DINA SAND	4 587	3 26	0 00	3 26	0 150	0 000	0 150	0 150	0 000	1 575	211	8 40	33 0	20 0	1 020	980	725	CRE	1993
SALT LAKE	LLOYDMINSTER SAND	11 892	8 00	4 45	12 45	0 951	0 529	1 481	1 072	0 408	76 227	1214	4 50	28 0	20 0	1 029	970	737	CRE	1985

OIL RESERVES DATA

POOL	HORIZON	INITIAL OIL IN PLACE	ESTIMATED RECOVERY PRIM.	ENHAN.	TOTAL	INITIAL RESERVES PRIM.	ENHAN.	TOTAL	TOTAL PROD. 12/31/98	REMAINING RESERVES	1998 PROD.	DEV. AREA	NET PAY	AVE POR.	AVE. CONN. WATER	FORM. VOLUME FACTOR	OIL DENSITY	PROD. DEPTH	SYSTEM	DISC. YEAR
		1000000 m3	%			1000000 m3					1000 m3	ha	m	%			KG/m3	m		
SENLAC	CUMMINGS-DINA SAND	30 418	9 52	0 00	9 52	2 896	0 000	2 896	2 130	0 765	256 369	1198	10 75	31 0	20 0	1 050	978	787	CRE	1990
	LLOYDMINSTER SAND	11 901	6 00	13 50	19 50	0 714	1 607	2 321	1 572	0 749	143 487	1462	4 75	28 0	32 0	1 111	968	787	CRE	1980
	WASECA SAND	2 136	1 61	0 00	1 61	0 034	0 000	0 034	0 034	0 001	0 498	210	5 10	30 0	30 0	1 053	978	670	CRE	1991
SILVERDALE	SPARKY SAND	20 700	6 20	2 69	8 89	1 283	0 557	1 840	1 656	0 182	50 932	2120	3 78	34 0	20 0	1 053	965	564	CRE	1968
SODA LAKE	CUMMINGS SAND	31 928	2 96	0 00	2 96	0 945	0 000	0 945	0 630	0 315	84 139	3000	4 30	33 0	25 0	1 000	971	610	CRE	1979
STANDARD HILL	WASECA SAND	17 125	8 67	0 00	8 67	1 485	0 000	1 485	1 440	0 045	13 745	1700	3 58	34 0	16 0	1 015	968	472	CRE	1963
STANDARD HILL NORTH	G P SAND	0 851	17 60	0 00	17 60	0 150	0 000	0 150	0 065	0 085	20 208	73	4 83	35 0	30 0	1 015	985	485	CRE	1979
	REX SAND	0 165	17 80	0 00	17 80	0 029	0 000	0 029	0 008	0 021	4 675	32	2 13	35 0	30 0	1 015	985	500	CRE	1979
	SPARKY SAND	0 314	31 80	0 00	31 80	0 100	0 000	0 100	0 048	0 052	11 466	65	2 00	35 0	30 0	1 015	985	465	CRE	1979
	WASECA SAND	1 521	8 10	0 00	8 10	0 123	0 000	0 123	0 086	0 037	10 737	178	3 54	35 0	30 0	1 015	985	445	CRE	1979
SUPERB NORTH	WASECA SAND	3 672	0 08	0 00	0 08	0 003	0 000	0 003	0 003	0 000	0 465	81	17 00	34 0	20 0	1 020	995	747	CRE	1996
TANGLEFLAGS	G P SAND (NON-UNIT)	49 510	6 97	0 36	7 33	3 451	0 176	3 627	2 110	1 517	102 319	3737	4 95	35 0	22 0	1 020	970	492	CRE	1971
	G P SAND (VOL UNIT NO 3)	4 857	8 07	0 00	8 07	0 392	0 000	0 392	0 276	0 116	10 062	567	3 20	33 3	18 0	1 020	969	490	CRE	1971
	G P SAND (VOL UNIT NO 4)	2 527	11 30	0 00	11 30	0 286	0 000	0 286	0 219	0 067	12 610	372	3 08	30 0	25 0	1 020	970	492	CRE	1971
	LLOYDMINSTER SAND (NON-UNIT)	42 987	5 90	0 00	5 90	2 536	0 000	2 536	1 542	0 994	43 618	4539	3 68	35 0	25 0	1 020	962	532	CRE	1965
	LLOYDMINSTER SAND (VOL UNIT NO 2)	4 001	5 50	4 46	9 96	0 220	0 178	0 398	0 375	0 024	5 418	421	4 09	30 0	21 0	1 020	959	532	CRE	1965
	LLOYDMINSTER SAND (VOL UNIT NO 3)	5 185	5 04	0 00	5 04	0 261	0 000	0 261	0 257	0 004	0 312	752	3 36	30 6	31 6	1 020	960	532	CRE	1965
	LLOYDMINSTER SAND (VOL UNIT NO 4)	3 715	3 77	1 70	5 47	0 140	0 063	0 203	0 178	0 025	3 541	372	3 80	32 3	17 0	1 020	960	518	CRE	1965
	MANNVILLE SAND (VOL UNIT NO 3)	5 577	3 76	0 00	3 76	0 210	0 000	0 210	0 051	0 159	10 692	227	9 36	35 0	23 5	1 020	965	443	CRE	1965
	MCLAREN SAND (NON-UNIT)	10 470	15 10	0 00	15 10	1 581	0 000	1 581	0 378	1 203	73 725	1447	3 11	35 0	30 0	1 053	970	443	CRE	1965
	MCLAREN SAND (VOL UNIT NO 3)	0 671	21 70	0 00	21 70	0 146	0 000	0 146	0 026	0 120	11 729	61	3 56	35 0	30 0	1 053	970	443	CRE	1965
	SPARKY SAND (NON-UNIT)	24 186	9 27	0 00	9 27	2 242	0 000	2 242	0 774	1 468	94 719	3094	3 28	35 0	30 0	1 028	969	511	CRE	1969
	SPARKY SAND (VOL UNIT NO 3)	4 857	5 50	0 00	5 50	0 267	0 000	0 267	0 133	0 134	18 395	627	3 25	35 0	30 0	1 028	970	511	CRE	1969
	SPARKY SAND (VOL UNIT NO 4)	0 708	10 70	0 00	10 70	0 076	0 000	0 076	0 029	0 047	6 887	81	3 67	35 0	30 0	1 028	970	511	CRE	1969
TANGLEFLAGS EAST	MCLAREN SAND	2 008	7 45	0 00	7 45	0 150	0 000	0 150	0 121	0 029	6 036	291	4 38	35 0	30 0	1 111	973	359	CRE	1978
TANGLEFLAGS NORTH	G P SAND	3 705	2 50	0 00	2 50	0 093	0 000	0 093	0 045	0 047	12 381	275	5 79	35 0	30 0	1 053	978	450	CRE	1977
	LLOYDMINSTER/CUMMINGS SAND	41 384	2 86	8 19	11 05	1 184	3 389	4 573	2 375	2 198	300 831	1829	9 42	35 0	30 0	1 020	970	515	CRE	1977
TANGLEFLAGS WEST	G P SAND	9 955	13 20	0 00	13 20	1 314	0 000	1 314	0 261	1 053	95 669	680	5 47	35 0	22 0	1 020	979	516	CRE	1972
	LLOYDMINSTER SAND	4 407	4 84	0 00	4 84	0 213	0 000	0 213	0 168	0 045	5 599	453	3 78	35 0	25 0	1 020	967	583	CRE	1972
	MCLAREN SAND	4 163	14 20	0 00	14 20	0 591	0 000	0 591	0 279	0 312	37 369	421	4 25	35 0	30 0	1 053	980	462	CRE	1978
	SPARKY SAND	5 421	10 30	0 00	10 30	0 558	0 000	0 558	0 309	0 249	24 692	648	3 51	35 0	30 0	1 028	975	498	CRE	1972
TURTLEFORD	WASECA SAND	2 017	1 55	0 00	1 55	0 031	0 000	0 031	0 012	0 019	3 585	113	8 95	30 0	30 0	1 053	985	465	CRE	1981
WESTHAZEL	G P SAND	13 654	3 18	0 00	3 18	0 434	0 000	0 434	0 319	0 115	21 011	729	8 05	35 0	30 0	1 053	977	486	CRE	1971
	SPARKY SAND	12 957	6 60	0 00	6 60	0 855	0 000	0 855	0 528	0 327	41 096	1117	5 26	35 0	30 0	1 111	967	455	CRE	1969
	WASECA SAND	4 375	8 70	0 00	8 70	0 381	0 000	0 381	0 147	0 234	28 537	712	3 97	24 0	35 0	1 008	975	470	CRE	1973
WINTER	CUMMINGS SAND	89 568	4 65	0 00	4 65	3 235	0 000	3 235	2 244	0 991	266 933	2137	11 22	33 0	9 0	1 035	980	660	CRE	1980
WINTER SOUTH	CUMMINGS SAND	13 939	1 00	0 00	1 00	0 139	0 000	0 139	0 065	0 074	33 867	308	16 00	33 0	10 0	1 050	976	660	CRE	1980
	TOTAL AREA 1H	**1,717.379**				**103.508**	**31.144**	**134.651**	**87.938**	**46.716**	**5,816.616**									

OIL RESERVES DATA

POOL	HORIZON	INITIAL OIL IN PLACE	ESTIMATED RECOVERY PRIM.	ENHAN.	TOTAL	INITIAL RESERVES PRIM.	ENHAN.	TOTAL	TOTAL PROD. 12/31/98	REMAINING RESERVES	1998 PROD.	DEV. AREA	NET PAY	AVE. POR.	AVE. CONN. WATER	FORM. VOLUME FACTOR	OIL DENSITY	PROD. DEPTH	SYSTEM	DISC. YEAR
		1000000 m3	%			1000000 m3					1000 m3	ha	m	%			KG/m3	m		
AREA 2H																				
MISCELLANEOUS	BAKKEN SAND	43 819	7 75	0 00	7 75	3 396	0 000	3 396	0 778	2 618	316 689	3368	6 90	26 8	25 0	1 066			MIS	
	BASAL MANNVILLE SAND	4 138	1 24	0 00	1 24	0 051	0 000	0 051	0 037	0 014	4 274	356	6 00	27 2	25 0	1 053			CRE	
	BIRDBEAR	0 793	1 07	0 00	1 07	0 008	0 000	0 008	0 005	0 003	0 380	81	12 50	17 4	40 0	1 333			DEV	
	MANNVILLE SAND	14 222	3 76	0 00	3 76	0 535	0 000	0 535	0 357	0 178	47 756	1684	4 50	26 9	25 0	1 075			CRE	
	SUCCESS	8 810	2 42	0 00	2 42	0 213	0 000	0 213	0 106	0 107	18 067	680	8 70	28 4	30 0	1 335			CRE -JUR	
ALSASK	BASAL MANNVILLE SAND	0 297	10 00	0 00	10 00	0 030	0 000	0 030	0 023	0 006	1 068	81	3 96	27 4	55 0	1 333	953	818	CRE	1968
BUFFALO COULEE	BAKKEN SAND	5 082	2 50	12 86	15 36	0 127	0 654	0 781	0 598	0 183	23 083	719	3 72	26 6	25 0	1 050	978	823	MIS	1952
BUFFALO COULEE NORTH	BAKKEN SAND	5 946	3 20	7 40	10 60	0 190	0 440	0 630	0 254	0 377	63 459	453	6 70	29 5	31 0	1 039	981	814	MIS	1952
CACTUS LAKE	BASAL MANNVILLE-BAKKEN (NON-UNIT)	7 003	6 22	1 10	7 32	0 436	0 077	0 513	0 346	0 167	32 173	583	6 00	32 0	35 0	1 039	984	851	CRE -MIS	1974
	BASAL MANNVILLE-BAKKEN (VOL UNIT 1)	4 453	11 20	11 00	22 20	0 499	0 490	0 988	0 565	0 423	25 004	259	9 16	30 0	35 0	1 039	964	851	CRE -MIS	1974
	BASAL MANNVILLE-BAKKEN (VOL UNIT 2)	24 802	10 00	15 15	25 15	2 480	3 757	6 238	2 582	3 656	156 111	2736	4 83	30 0	35 0	1 039	964	851	CRE -MIS	1974
CACTUS LAKE NORTH	MCLAREN SAND (NON-UNIT)	34 551	6 25	0 00	6 25	2 159	0 000	2 159	1 687	0 472	80 296	1253	14 00	28 1	25 0	1 070	985	760	CRE	1979
	MCLAREN SAND (VOL UNIT NO 1)	15 790	5 80	0 00	5 80	0 916	0 000	0 916	0 515	0 401	111 669	547	13 20	30 0	22 0	1 070	989	760	CRE	1979
COLEVILLE	BAKKEN SAND	53 812	4 60	17 28	21 88	2 475	9 299	11 774	8 877	2 897	151 614	3044	11 46	24 1	31 0	1 078	982	823	MIS	1951
	MANNVILLE SAND	1 190	8 45	0 00	8 45	0 101	0 000	0 101	0 092	0 008	2 938	178	3 96	25 0	25 0	1 111	976	765	CRE	1952
COLEVILLE SOUTH	BAKKEN SAND (NON-UNIT)	5 762	5 10	0 00	5 10	0 294	0 000	0 294	0 043	0 251	36 039	251	10 60	30 0	25 0	1 039	972	818	MIS	1983
	BAKKEN SAND (UNIT)	7 675	12 00	5 20	17 20	0 921	0 399	1 320	0 618	0 702	85 489	886	4 00	30 0	25 0	1 039	972	818	MIS	1983
	MANNVILLE SAND	2 338	6 00	0 00	6 00	0 140	0 000	0 140	0 072	0 068	4 319	146	9 49	25 0	25 0	1 111	974	757	CRE	1983
	SUCCESS	3 794	3 75	0 00	3 75	0 142	0 000	0 142	0 093	0 050	7 042	170	13 10	27 0	30 0	1 111	984	870	CRE -JUR	1985
COLEVILLE WEST	BAKKEN SAND	0 854	15 40	5 00	20 40	0 132	0 043	0 174	0 070	0 104	38 583	80	4 74	33 0	29 0	1 040	982	813	MIS	1996
COSINE LAKE	LLOYDMINSTER SAND	7 487	1 04	0 00	1 04	0 078	0 000	0 078	0 074	0 003	1 923	871	4 70	29 0	30 0	1 110	965	776	CRE	1972
COURT	BAKKEN SAND (NON-UNIT)	5 332	9 80	0 00	9 80	0 523	0 000	0 523	0 214	0 308	47 681	405	5 68	32 0	23 0	1 063	953	863	MIS	1982
	BAKKEN SAND (VOLUNTARY UNIT NO 1)	11 982	6 30	17 60	23 90	0 755	2 109	2 864	2 150	0 714	158 017	777	7 47	28 5	23 0	1 063	953	863	MIS	1982
COURT SOUTH	BAKKEN SAND	6 633	5 00	6 50	11 50	0 332	0 431	0 763	0 221	0 542	39 600	324	9 70	30 0	25 0	1 066	968	855	MIS	1979
DRUID	MANNVILLE SAND	1 972	2 01	0 00	2 01	0 040	0 000	0 040	0 038	0 002	1 320	178	6 79	25 9	30 0	1 111	969	729	CRE	1969
ERMINE	MANNVILLE SAND	1 861	3 45	0 00	3 45	0 064	0 000	0 064	0 064	0 000	0 021	243	4 12	27 5	25 0	1 111	969	694	CRE	1979
FUSILIER	BAKKEN SAND	10 268	13 70	0 00	13 70	1 407	0 000	1 407	0 634	0 772	74 425	729	7 70	25 0	22 0	1 066	962	799	MIS	1955
HEARTS HILL	BAKKEN SAND	3 611	4 80	5 20	10 00	0 173	0 188	0 361	0 191	0 170	24 668	324	5 67	27 6	25 0	1 053	953	758	MIS	1983
HOOSIER	BAKKEN SAND (NON-UNIT)	6 672	19 20	0 00	19 20	1 281	0 000	1 281	0 495	0 786	46 977	502	7 18	25 3	22 0	1 066	976	865	MIS	1973
	BAKKEN SAND (VOLUNTARY UNIT NO 1)	3 128	4 00	9 70	13 70	0 125	0 303	0 429	0 309	0 120	15 090	228	5 88	31 5	22 0	1 053	975	865	MIS	1973
KEROBERT	MANNVILLE SAND	1 299	30 50	0 00	30 50	0 396	0 000	0 396	0 182	0 214	68 078	194	3 00	31 0	20 0	1 111	995	795	CRE	1995
KEROBERT NORTH	MANNVILLE SAND	14 960	1 00	0 00	1 00	0 150	0 000	0 150	0 117	0 032	14 727	308	20 00	30 0	15 0	1 050	995	775	CRE	1995
LOVERNA	SUCCESS	2 493	5 95	0 00	5 95	0 148	0 000	0 148	0 110	0 038	3 575	146	10 50	28 9	25 0	1 333	957	853	CRE -JUR	1952
LUSELAND	BAKKEN SAND	25 767	11 45	2 03	13 48	2 950	0 523	3 473	1 450	2 023	247 465	971	11 82	31 5	25 0	1 053	983	739	MIS	1979
MANTARIO EAST	BASAL MANNVILLE (NON-UNIT)	2 261	9 10	0 00	9 10	0 206	0 000	0 206	0 064	0 141	26 163	162	5 72	31 0	15 0	1 080	969	860	CRE	1995
	BASAL MANNVILLE (VOL UNIT NO 1)	2 598	14 60	0 00	14 60	0 379	0 000	0 379	0 152	0 227	39 094	186	5 72	31 0	15 0	1 080	969	860	CRE	1995
MANTARIO NORTH	BASAL MANNVILLE (NON-UNIT)	1 745	14 40	0 00	14 40	0 251	0 000	0 251	0 064	0 187	21 083	130	6 00	30 0	20 0	1 073	960	900	CRE	1994
	BASAL MANNVILLE (VOL UNIT NO 1)	16 535	4 60	23 80	28 40	0 761	3 935	4 696	1 086	3 610	384 856	1166	6 34	30 0	20 0	1 073	960	900	CRE	1994

OIL RESERVES DATA

POOL	HORIZON	INITIAL OIL IN PLACE	ESTIMATED RECOVERY PRIM.	ENHAN.	TOTAL	INITIAL RESERVES PRIM.	ENHAN.	TOTAL	TOTAL PROD. 12/31/98	REMAINING RESERVES	1998 PROD.	DEV. AREA	NET PAY	AVE. POR.	AVE. CONN. WATER	FORM. VOLUME FACTOR	OIL DENSITY	PROD. DEPTH	SYSTEM	DISC. YEAR
		1000000 m3	%			1000000 m3					1000 m3	ha	m	%			KG/m3	m		
MARENGO SOUTH	BASAL MANNVILLE	11.822	6.10	9.55	15.65	0.721	1.129	1.850	0.806	1.044	141.772	793	6.20	30.0	14.0	1.073	969	808	CRE	1991
MILTON	BAKKEN SAND	3.735	7.00	0.00	7.00	0.261	0.000	0.261	0.128	0.133	32.690	372	4.90	28.0	22.0	1.066	960	846	MIS	1994
	SUCCESS (NON-UNIT)	3.158	3.74	0.00	3.74	0.118	0.000	0.118	0.033	0.085	10.811	146	9.63	31.0	25.0	1.035	963	788	CRE -JUR	1980
NORTH HOOSIER	BAKKEN SAND (NON-UNIT)	7.613	7.55	0.00	7.55	0.575	0.000	0.575	0.344	0.230	30.302	615	7.23	23.4	22.0	1.066	958	878	MIS	1965
	BAKKEN SAND (VOLUNTARY UNIT)	8.498	2.30	14.56	16.86	0.195	1.237	1.433	1.155	0.278	26.880	452	9.40	30.0	30.0	1.050	958	878	MIS	1965
	BASAL MANNVILLE SAND (NON-UNIT)	6.816	6.40	0.00	6.40	0.436	0.000	0.436	0.089	0.347	69.798	583	5.25	32.0	27.0	1.049	970	838	CRE	1964
	BASAL MANNVILLE SAND (VOL UNIT)	4.147	6.00	14.99	20.99	0.249	0.622	0.871	0.778	0.093	16.215	313	6.80	28.0	27.0	1.049	970	838	CRE	1964
NORTH SMILEY	BAKKEN SAND	0.437	12.80	0.00	12.80	0.056	0.000	0.056	0.006	0.050	0.000	49	5.20	24.6	25.0	1.075	985	810	MIS	1981
	BAKKEN SAND (VOL UNIT NO 1)	10.494	1.94	4.00	5.94	0.204	0.420	0.623	0.166	0.458	43.816	1166	4.20	30.0	25.0	1.050	985	810	MIS	1981
ONWARD	BASAL MANNVILLE SAND	2.878	6.38	0.00	6.38	0.184	0.000	0.184	0.149	0.034	11.542	162	8.40	33.2	31.4	1.077	971	810	CRE	1987
PLOVER LAKE	BAKKEN SAND	19.497	12.85	1.82	14.67	2.505	0.355	2.860	1.452	1.409	266.025	1198	7.30	31.3	25.0	1.053	963	817	MIS	1974
	MCLAREN SAND (NON-UNIT)	20.269	3.45	0.00	3.45	0.699	0.000	0.699	0.497	0.203	49.599	583	16.11	30.3	25.0	1.053	964	720	CRE	1985
	MCLAREN SAND (VOLUNTARY UNIT NO 1)	10.856	6.32	0.00	6.32	0.686	0.000	0.686	0.494	0.192	22.722	227	21.59	31.1	25.0	1.053	964	720	CRE	1985
PLOVER LAKE EAST	BAKKEN SAND	35.239	11.30	0.00	11.30	3.982	0.000	3.982	0.647	3.335	387.164	1263	11.30	32.5	20.0	1.053	963	825	MIS	1980
PLOVER LAKE WEST	BAKKEN SAND	8.012	3.10	0.00	3.10	0.248	0.000	0.248	0.044	0.205	26.929	486	7.00	31.0	20.0	1.053	963	802	MIS	1976
SUPERB NORTH	WASECA SAND (VOL UNIT NO 1)	3.672	0.12	0.00	0.12	0.004	0.000	0.004	0.003	0.002	0.465	81	17.00	34.0	20.0	1.020	995	745	CRE	1996
	TOTAL AREA 2H	**528.875**				**36.388**	**26.410**	**62.798**	**32.124**	**30.675**	**3,557.546**									
AREA 2L																				
MISCELLANEOUS	VIKING SAND	17.726	2.39	0.00	2.39	0.424	0.000	0.424	0.285	0.139	26.665	3690	3.57	23.0	35.0	1.111			CRE	
AVON HILL	VIKING (NON-UNIT)	4.147	7.80	0.00	7.80	0.323	0.000	0.323	0.317	0.006	5.143	1488	2.43	23.0	45.0	1.103	844	725	CRE	1959
	VIKING (VOLUNTARY UNIT)	4.493	5.81	0.00	5.81	0.261	0.000	0.261	0.246	0.015	5.081	1586	2.47	23.0	45.0	1.103	844	725	CRE	1959
DODSLAND	VIKING (EAGLE LAKE VOL UNIT)	11.207	16.30	20.30	36.60	1.827	2.275	4.102	2.997	1.105	96.450	3772	2.66	22.4	45.0	1.103	840	671	CRE	1956
	VIKING (EAST DODSLAND VOL UNIT)	24.431	4.71	0.00	4.71	1.151	0.000	1.151	1.027	0.124	26.481	6814	3.21	22.4	45.0	1.103	840	671	CRE	1956
	VIKING (GLENEATH SOUTH VOL UNIT)	0.396	15.50	0.22	15.72	0.061	0.001	0.062	0.056	0.006	0.798	129	2.75	22.4	45.0	1.103	840	671	CRE	1956
	VIKING (GLENEATH UNIT)	9.546	12.60	21.40	34.00	1.203	2.043	3.246	2.546	0.699	52.912	3011	2.93	21.7	45.0	1.103	840	671	CRE	1956
	VIKING (KIYIU LAKE VOL UNIT NO 2)	2.327	3.10	1.00	4.10	0.072	0.023	0.095	0.089	0.006	2.555	712	2.90	22.6	45.0	1.103	840	671	CRE	1956
	VIKING (KIYIU LAKE VOL UNIT)	2.323	7.15	0.00	7.15	0.166	0.000	0.166	0.147	0.019	5.831	842	2.47	22.4	45.0	1.103	840	671	CRE	1956
	VIKING (NON-UNIT)	55.562	7.47	0.00	7.47	4.150	0.000	4.150	3.869	0.281	113.944	20387	2.44	22.4	45.0	1.103	842	671	CRE	1956
	VIKING (NORTH DODS VOL UNIT NO 2)	0.942	5.28	0.00	5.28	0.050	0.000	0.050	0.048	0.002	1.514	356	2.37	22.4	45.0	1.103	840	671	CRE	1956
	VIKING (NORTH DODS VOL UNIT)	7.253	5.85	0.00	5.85	0.424	0.000	0.424	0.328	0.096	14.746	1910	3.40	22.4	45.0	1.103	840	671	CRE	1956
EUREKA	VIKING (NON-UNIT)	7.660	4.45	0.00	4.45	0.341	0.000	0.341	0.241	0.100	10.753	1522	4.15	23.0	42.0	1.100	849	724	CRE	1954
	VIKING (NORTH EUREKA UNIT)	6.709	9.13	11.82	20.95	0.613	0.793	1.406	1.269	0.137	12.169	1683	3.32	23.0	42.0	1.111	853	724	CRE	1954
	VIKING (SOUTH EUREKA UNIT)	6.811	9.55	16.13	25.68	0.650	1.099	1.749	1.410	0.339	30.977	1522	3.69	23.0	42.0	1.100	853	724	CRE	1954
FORGAN	VIKING	1.563	5.09	0.00	5.09	0.080	0.000	0.080	0.076	0.003	1.729	534	2.57	23.0	45.0	1.111	842	714	CRE	1981
FORGAN WEST	VIKING	2.466	3.70	0.00	3.70	0.091	0.000	0.091	0.084	0.007	4.754	567	3.82	23.0	45.0	1.111	842	680	CRE	1984
KERROBERT	VIKING	36.645	5.28	1.80	7.08	2.040	0.696	2.736	2.292	0.444	102.010	17018	1.98	23.0	45.0	1.103	842	714	CRE	1981
LUCKY HILLS	VIKING (NON-UNIT)	1.669	9.29	0.00	9.29	0.155	0.000	0.155	0.127	0.029	3.003	519	3.10	21.0	45.0	1.111	843	716	CRE	1959
	VIKING (VOLUNTARY UNIT)	1.573	5.54	0.00	5.54	0.087	0.000	0.087	0.084	0.004	0.603	453	3.05	23.0	45.0	1.111	843	716	CRE	1959

OIL RESERVES DATA

POOL	HORIZON	INITIAL OIL IN PLACE 1000000 m3	ESTIMATED RECOVERY PRIM. %	ESTIMATED RECOVERY ENHAN. %	ESTIMATED RECOVERY TOTAL %	INITIAL RESERVES PRIM. 1000000 m3	INITIAL RESERVES ENHAN. 1000000 m3	INITIAL RESERVES TOTAL 1000000 m3	TOTAL PROD. 12/31/99 1000000 m3	REMAINING RESERVES 1000000 m3	1999 PROD. 1000 m3	DEV. AREA ha	NET PAY m	AVE. POR. %	AVE. CONN. WATER %	FORM. VOLUME FACTOR	OIL DENSITY KG/m3	PROD. DEPTH m	SYSTEM	DISC. YEAR
PLATO	VIKING (NON-UNIT)	3.080	3.13	0.00	3.13	0.096	0.000	0.096	0.090	0.006	2.783	842	2.84	22.0	38.0	1.066	856	644	CRE	1968
	VIKING (VOLUNTARY UNIT NO. 1)	6.542	4.20	1.65	5.85	0.275	0.108	0.383	0.352	0.031	3.925	1554	3.29	22.0	38.0	1.066	853	644	CRE	1968
PLATO NORTH	VIKING	16.956	7.79	0.00	7.79	1.321	0.000	1.321	0.951	0.370	38.378	4791	2.63	23.0	35.0	1.111	865	705	CRE	1978
PLENTY	VIKING	5.627	3.58	0.00	3.58	0.201	0.000	0.201	0.175	0.027	7.238	1457	2.87	23.0	38.0	1.111	863	640	CRE	1985
PRAIRIEDALE	VIKING	16.675	2.20	0.00	2.20	0.367	0.000	0.367	0.319	0.048	20.554	2702	5.42	23.0	46.0	1.111	870	743	CRE	1984
SMILEY-DEWAR	VIKING (NON-UNIT)	22.674	16.65	5.83	22.48	3.775	1.322	5.097	4.606	0.491	34.982	4240	4.42	24.0	45.0	1.091	875	701	CRE	1953
	VIKING (VOLUNTARY UNIT NO. 1)	3.808	10.25	3.34	13.59	0.390	0.127	0.517	0.455	0.063	9.942	712	4.42	24.0	45.0	1.091	875	700	CRE	1953
VERENDRYE	VIKING	18.034	4.17	0.00	4.17	0.752	0.000	0.752	0.577	0.175	25.802	3481	3.85	23.0	35.0	1.111	865	713	CRE	1987
WHITESIDE	VIKING SAND (NON-UNIT)	5.655	4.54	0.00	4.54	0.257	0.000	0.257	0.255	0.002	8.373	2573	1.83	24.0	45.0	1.099	870	751	CRE	1953
	VIKING SAND (VOLUNTARY UNIT)	2.988	11.79	0.00	11.79	0.315	0.000	0.315	0.298	0.016	4.878	1214	1.83	24.0	45.0	1.099	870	751	CRE	1953
	TOTAL AREA 2L	**309.149**				**21.919**	**8.486**	**30.405**	**25.616**	**4.789**	**673.173**									
AREA 3M																				
MISCELLANEOUS	BASAL MANNVILLE SAND	6.025	2.40	0.00	2.40	0.145	0.000	0.145	0.047	0.097	17.696	534	8.00	23.0	35.0	1.060			CRE	
	CANTUAR SAND	6.562	8.10	0.00	8.10	0.533	0.000	0.533	0.342	0.191	40.584	874	5.30	23.5	35.0	1.075			CRE	
	GRAVELBOURG	0.124	18.00	0.00	18.00	0.022	0.000	0.022	0.021	0.001	0.460	16	8.23	16.7	25.0	1.333			JUR	
	LOWER SHAUNAVON	1.217	4.10	0.00	4.10	0.050	0.000	0.050	0.044	0.006	1.075	194	5.32	16.6	25.0	1.053			JUR	
	MADISON	0.335	6.70	0.00	6.70	0.022	0.000	0.022	0.003	0.019	1.612	49	4.50	22.5	25.0	1.111			MIS	
	PREMIER SAND (N. PREMIER UNIT NO. 2)	0.232	15.00	13.94	28.94	0.035	0.032	0.067	0.067	0.000	0.000	75	1.40	30.8	25.0	1.048			CRE	
	ROSERAY SAND	6.960	6.70	0.00	6.70	0.602	0.000	0.602	0.398	0.204	32.381	1101	4.49	24.9	25.0	1.028			JUR	
	UPPER SHAUNAVON	8.186	10.30	0.00	10.30	0.637	0.000	0.637	0.438	0.199	47.864	1382	3.50	18.2	25.0	1.075			JUR	
ANTELOPE	CANTUAR SAND	0.732	7.00	0.00	7.00	0.051	0.000	0.051	0.017	0.035	7.816	81	4.84	28.0	30.0	1.050	920	1090	CRE	1996
ANTELOPE LAKE	ROSERAY SAND (NON-UNIT)	0.470	28.00	0.00	28.00	0.132	0.000	0.132	0.050	0.082	37.738	97	2.63	26.4	25.0	1.075	923	970	JUR	1994
	UPPER SHAUNAVON (NON-UNIT)	0.738	5.20	0.00	5.20	0.038	0.000	0.038	0.014	0.024	2.886	194	3.75	16.5	40.0	0.976	914	1037	JUR	1964
	UPPER SHAUNAVON (VOLUNTARY UNIT)	1.017	16.00	5.00	21.00	0.163	0.051	0.213	0.147	0.066	8.712	453	2.13	18.0	40.0	1.025	914	1037	JUR	1964
ANTELOPE LAKE EAST	ROSERAY SAND	0.457	2.40	0.00	2.40	0.011	0.000	0.011	0.010	0.001	0.292	85	5.00	23.9	37.0	1.070	923	950	JUR	1964
ANTELOPE LAKE NORTH	CANTUAR SAND	0.185	3.20	1.50	4.70	0.006	0.003	0.009	0.009	0.000	0.799	84	1.50	23.0	40.0	1.050	920	1000	CRE	1995
	ROSERAY SAND	0.443	8.10	12.60	20.70	0.036	0.056	0.092	0.078	0.014	11.533	59	4.95	28.0	42.0	1.070	923	1025	JUR	1995
ANTELOPE LAKE SOUTH	ROSERAY SAND	0.564	12.50	0.00	12.50	0.073	0.000	0.073	0.048	0.025	14.209	85	4.60	28.0	25.0	1.075	923	1035	JUR	1964
BATTLE CREEK	MADISON	0.793	19.00	0.00	19.00	0.151	0.000	0.151	0.108	0.042	13.883	113	7.85	18.0	40.0	1.047	987	1390	MIS	1999
	UPPER SHAUNAVON	0.583	10.60	0.00	10.60	0.060	0.000	0.060	0.052	0.008	1.950	148	4.57	12.5	25.0	1.111	945	1337	JUR	1999
BATTLE CREEK SOUTH	UPPER SHAUNAVON	1.822	36.14	0.00	36.14	0.659	0.000	0.659	0.502	0.157	29.582	194	9.80	14.2	25.0	1.111	915	1305	JUR	1988
BATTRUM	ROSERAY SAND (NON-UNIT)	0.545	9.50	0.00	9.50	0.052	0.000	0.052	0.045	0.006	1.103	49	8.50	22.1	39.3	1.026	942	883	JUR	1955
	ROSERAY SAND (UNIT NO. 1)	32.878	10.00	26.36	36.36	3.288	8.666	11.954	7.203	4.751	299.974	1810	10.73	26.0	33.2	1.026	936	883	JUR	1955
	ROSERAY SAND (UNIT NO. 2)	5.990	8.60	45.00	51.60	0.395	2.695	3.091	2.186	0.904	93.409	324	9.75	27.4	29.0	1.026	943	883	JUR	1955
	ROSERAY SAND (UNIT NO. 4)	3.431	8.30	38.10	46.40	0.285	1.307	1.592	1.507	0.085	28.372	453	5.09	25.1	39.3	1.024	942	883	JUR	1955
	ROSERAY SAND (VOLUNTARY UNIT NO. 3)	8.086	8.00	21.75	29.75	0.647	1.759	2.406	2.187	0.219	66.511	971	5.44	25.2	39.1	1.019	942	883	JUR	1955
	ROSERAY SAND (VOLUNTARY UNIT NO. 5)	0.348	10.00	2.00	12.00	0.035	0.007	0.041	0.042	0.000	1.478	85	4.82	24.4	53.8	1.022	942	883	JUR	1955
BATTRUM EAST	ROSERAY SAND	0.360	7.00	45.30	52.30	0.025	0.163	0.188	0.139	0.050	9.023	81	2.99	25.1	39.3	1.024	936	913	JUR	1997

OIL RESERVES DATA

POOL	HORIZON	INITIAL OIL IN PLACE 1000000 m3	ESTIMATED RECOVERY PRIM. %	ESTIMATED RECOVERY ENHAN. %	ESTIMATED RECOVERY TOTAL %	INITIAL RESERVES PRIM. 1000000 m3	INITIAL RESERVES ENHAN. 1000000 m3	INITIAL RESERVES TOTAL 1000000 m3	TOTAL PROD 12/31/99 1000000 m3	REMAINING RESERVES 1000000 m3	1999 PROD. 1000 m3	DEV. AREA ha	NET PAY m	AVE. POR. %	AVE. CONN. WATER %	FORM. VOLUME FACTOR	OIL DENSITY KG/m3	PROD. DEPTH m	SYSTEM	DISC. YEAR
BATTRUM NORTH	ROSERAY SAND (NON-UNIT)	0.042	29.00	27.00	56.00	0.012	0.011	0.024	0.009	0.015	3.179	16	2.00	23.0	41.0	1.026	940	895	JUR	1995
	ROSERAY SAND (VOLUNTARY UNIT NO. 1)	1.638	17.00	17.89	34.89	0.278	0.293	0.571	0.302	0.269	26.823	227	4.70	25.0	35.0	1.080	942	888	JUR	1979
BENCH	UPPER SHAUNAVON (NON-UNIT)	5.311	10.00	4.60	14.60	0.531	0.244	0.775	0.372	0.403	52.603	1085	3.89	15.8	15.0	1.094	915	1347	JUR	1969
	UPPER SHAUNAVON (VOL UNIT NO. 1)	1.946	8.90	0.80	7.80	0.134	0.018	0.152	0.127	0.025	3.980	446	2.90	19.9	20.0	1.056	915	1347	JUR	1969
BEVERLEY	CANTUAR SAND (NON-UNIT)	2.097	3.55	0.00	3.55	0.074	0.000	0.074	0.069	0.005	2.152	291	0.60	21.8	46.1	1.078	920	991	CRE	1969
	CANTUAR SAND (VOL UNIT NO. 1)	8.243	8.00	5.25	13.25	0.499	0.328	0.827	0.677	0.150	24.821	1230	4.30	25.1	49.4	1.078	920	991	CRE	1969
	ROSERAY SAND (NON-UNIT)	0.790	5.75	0.00	5.75	0.045	0.000	0.045	0.025	0.020	4.800	97	5.30	28.7	39.8	1.093	929	983	JUR	1982
	ROSERAY SAND (UNIT NO. 1)	4.036	15.00	38.05	53.05	0.605	1.536	2.141	1.941	0.200	29.139	605	3.11	29.0	39.8	1.093	929	983	JUR	1982
	ROSERAY SAND (VOL UNIT NO. 2)	1.997	9.70	19.20	28.90	0.194	0.383	0.577	0.347	0.230	31.044	421	2.90	24.4	38.0	1.074	929	983	JUR	1982
BEVERLEY EAST	CANTUAR SAND (VOL UNIT NO. 1)	1.440	11.90	0.00	11.90	0.171	0.000	0.171	0.152	0.019	6.297	550	1.61	25.0	30.0	1.076	927	975	CRE	1985
BEVERLEY NORTH	CANTUAR SAND (NON-UNIT)	0.639	3.80	0.00	3.80	0.024	0.000	0.024	0.015	0.009	1.825	97	6.30	27.7	59.4	1.076	922	969	CRE	1967
	CANTUAR SAND (VOL UNIT NO. 1)	5.673	5.20	3.70	8.90	0.295	0.210	0.505	0.345	0.160	23.888	1023	5.95	24.7	59.4	1.076	922	969	CRE	1967
BONE CREEK	UPPER SHAUNAVON (UNIT)	12.207	5.10	18.00	23.10	0.623	2.197	2.820	2.679	0.140	21.581	1882	5.28	13.8	6.0	1.056	914	1341	JUR	1954
BUTTE	UPPER SHAUNAVON (NON-UNIT)	10.313	6.20	4.00	10.20	0.639	0.413	1.052	0.379	0.673	101.935	1716	4.30	19.4	25.0	1.041	914	1338	JUR	1967
	UPPER SHAUNAVON (VOLUNTARY UNIT)	8.916	5.50	17.15	22.65	0.490	1.529	2.020	1.412	0.607	42.928	2137	2.54	22.8	25.0	1.041	914	1338	JUR	1967
BUTTE WEST	UPPER SHAUNAVON (NON-UNIT)	4.560	2.50	0.50	3.00	0.114	0.023	0.137	0.083	0.053	9.323	501	7.22	17.7	25.0	1.053	914	1338	JUR	1967
	UPPER SHAUNAVON (VOL UNIT NO. 1)	6.409	3.30	1.30	4.60	0.212	0.083	0.295	0.137	0.158	10.887	817	7.80	14.0	25.0	1.044	914	1338	JUR	1967
	UPPER SHAUNAVON (VOL UNIT NO. 2)	1.900	13.80	8.00	21.80	0.262	0.152	0.414	0.159	0.255	33.342	412	3.49	18.9	27.0	1.044	914	1338	JUR	1967
CANTUAR	ROSERAY SAND (CANTUAR UNIT)	13.927	32.80	0.00	32.80	4.568	0.000	4.568	2.782	1.786	320.401	2765	2.65	27.2	24.6	1.079	964	991	JUR	1952
	ROSERAY SAND (NON-UNIT)	1.012	20.00	0.00	20.00	0.202	0.000	0.202	0.039	0.164	23.952	130	5.80	26.2	35.0	1.267	964	991	JUR	1952
CANTUAR EAST	CANTUAR SAND (UNIT NO. 1)	4.814	4.10	6.50	10.60	0.197	0.313	0.510	0.318	0.192	27.094	763	5.18	23.3	43.6	1.079	920	965	CRE	1956
	CANTUAR SAND (UNIT NO. 2)	0.813	2.50	0.00	2.50	0.020	0.000	0.020	0.019	0.001	0.777	146	4.57	23.3	43.6	1.079	929	965	CRE	1956
	LOWER SHAUNAVON	0.682	9.00	0.00	9.00	0.061	0.000	0.061	0.023	0.039	7.128	81	5.45	21.7	25.0	1.053	944	1008	JUR	1962
	ROSERAY SAND (NON-UNIT)	0.844	35.00	0.00	35.00	0.295	0.000	0.295	0.029	0.266	28.710	97	5.45	26.5	35.0	1.079	935	983	JUR	1952
	ROSERAY SAND (UNIT NO. 1)	2.899	6.80	7.80	14.60	0.197	0.226	0.423	0.320	0.103	20.564	716	2.80	26.0	40.0	1.079	933	983	JUR	1952
	ROSERAY SAND (UNIT NO. 2)	1.989	11.40	12.00	23.40	0.227	0.239	0.465	0.238	0.227	23.315	502	2.74	26.0	40.0	1.079	938	983	JUR	1952
CANTUAR MAIN	CANTUAR SAND (CANTUAR UNIT)	22.107	8.70	14.40	23.10	1.923	3.183	5.107	4.822	0.285	49.496	3166	5.06	26.4	43.6	1.079	922	975	CRE	1952
	CANTUAR SAND (NON-UNIT)	0.111	15.00	0.00	15.00	0.017	0.000	0.017	0.010	0.008	0.551	16	5.05	26.4	43.6	1.079	918	975	CRE	1952
CANTUAR NORTH	ROSERAY SAND	1.000	15.67	0.00	15.67	0.157	0.000	0.157	0.123	0.033	5.431	289	2.84	21.9	40.0	1.079	941	970	JUR	1968
CHAMBERY	UPPER SHAUNAVON	0.799	14.50	0.00	14.50	0.116	0.000	0.116	0.092	0.023	4.613	210	3.22	16.9	25.0	1.075	926	1505	JUR	1980
CLINTONVILLE	SHAUNAVON	4.921	2.45	0.00	2.45	0.121	0.000	0.121	0.100	0.021	3.909	421	12.62	13.1	25.0	1.064	915	1362	JUR	1953
COVINGTON	UPPER SHAUNAVON (NON-UNIT)	0.216	9.00	0.00	9.00	0.019	0.000	0.019	0.017	0.003	1.195	64	2.70	16.6	22.0	1.036	894	1330	JUR	1966
	UPPER SHAUNAVON (UNIT NO. 1)	1.071	14.00	8.40	22.40	0.150	0.090	0.240	0.238	0.002	1.410	376	2.44	15.5	22.0	1.036	894	1330	JUR	1966
COVINGTON SOUTH	UPPER SHAUNAVON	0.339	20.50	0.00	20.50	0.069	0.000	0.069	0.069	0.001	0.891	65	5.90	11.7	22.0	1.036	906	1300	JUR	1985
COVINGTON WEST	UPPER SHAUNAVON	2.777	20.50	0.00	20.50	0.569	0.000	0.569	0.241	0.329	104.350	599	4.00	20.6	25.0	1.333	906	1336	JUR	1969
DELTA	UPPER SHAUNAVON (NON-UNIT)	0.632	2.00	0.00	2.00	0.013	0.000	0.013	0.010	0.002	0.797	97	8.75	16.0	50.0	1.074	914	1065	JUR	1956
	UPPER SHAUNAVON (UNIT NO. 1)	9.383	12.50	16.00	28.50	1.173	1.501	2.674	2.531	0.143	22.195	2159	3.20	20.4	28.5	1.074	914	1065	JUR	1956
	UPPER SHAUNAVON (UNIT NO. 2)	2.540	7.00	9.78	16.78	0.178	0.248	0.426	0.408	0.018	4.849	716	3.81	20.0	50.0	1.074	914	1065	JUR	1956
	UPPER SHAUNAVON (VOL UNIT NO. 3)	0.989	9.60	8.00	17.60	0.095	0.079	0.174	0.146	0.028	4.937	129	5.86	23.9	41.2	1.074	914	1065	JUR	1956
DELTA WEST	UPPER SHAUNAVON	0.781	21.00	0.00	21.00	0.164	0.000	0.164	0.058	0.106	15.443	162	5.16	18.3	45.0	1.075	956	1035	JUR	1994

OIL RESERVES DATA

POOL	HORIZON	INITIAL OIL IN PLACE	ESTIMATED RECOVERY PRIM.	ESTIMATED RECOVERY ENHAN.	ESTIMATED RECOVERY TOTAL	INITIAL RESERVES PRIM.	INITIAL RESERVES ENHAN.	INITIAL RESERVES TOTAL	TOTAL PROD. 12/31/98	REMAINING RESERVES	1998 PROD.	DEV. AREA	NET PAY	AVE. POR.	AVE. CONN. WATER	FORM. VOLUME FACTOR	OIL DENSITY	PROD. DEPTH	SYSTEM	DISC. YEAR
		1000000 m3	%			1000000 m3					1000 m3	ha	m	%			KG/m3	m		
DIVIDE	MADISON	0.208	3.50	0.00	3.50	0.007	0.000	0.007	0.006	0.001	0.018	81	3.00	12.0	25.0	1.050	966	1475	MIS	1995
DOLLARD	LOWER SHAUNAVON	0.285	1.51	0.00	1.51	0.004	0.000	0.004	0.004	0.000	0.000	32	6.40	17.2	12.0	1.087	927	1392	JUR	1987
	UPPER SHAUNAVON (E. DOLL VOL UNIT)	1.648	20.00	25.50	45.50	0.330	0.420	0.750	0.702	0.048	7.953	469	3.20	17.2	30.6	1.087	915	1402	JUR	1953
	UPPER SHAUNAVON (NON-UNIT)	0.774	20.60	0.00	20.60	0.159	0.000	0.159	0.144	0.016	1.651	227	3.19	13.2	12.0	1.087	914	1402	JUR	1953
	UPPER SHAUNAVON (UNIT)	26.064	20.00	36.00	56.00	5.213	9.383	14.596	13.701	0.895	113.224	3642	4.42	20.0	12.0	1.087	914	1402	JUR	1953
EASTBROOK	SHAUNAVON	4.470	3.35	0.00	3.35	0.150	0.000	0.150	0.118	0.031	7.274	647	6.43	15.4	25.0	1.075	926	1420	JUR	1986
EASTEND	SHAUNAVON	2.776	3.58	0.00	3.58	0.099	0.000	0.099	0.096	0.003	1.496	453	6.90	12.2	20.0	1.099	927	1457	JUR	1952
FOSTERTON	ROSERAY SAND (MAIN UNIT)	21.994	17.00	28.60	45.60	3.739	6.290	10.029	9.407	0.622	57.526	1012	9.81	28.8	19.0	1.053	907	975	CRE -JUR	1952
	ROSERAY SAND (NORTHWEST UNIT)	1.978	11.00	17.85	28.85	0.218	0.353	0.571	0.571	0.000	0.000	104	8.44	28.8	19.0	1.035	933	975	CRE -JUR	1952
	ROSERAY SAND (WEST FOST. VOL UNIT)	1.220	11.00	43.50	54.50	0.134	0.531	0.665	0.580	0.085	11.258	146	5.03	25.0	30.0	1.053	921	975	CRE -JUR	1952
FOSTERTON SOUTH	CANTUAR SAND	0.835	9.90	0.00	9.90	0.083	0.000	0.083	0.071	0.012	2.023	81	7.64	22.4	35.0	1.079	947	950	CRE	1985
	ROSERAY SAND	1.174	10.00	0.00	10.00	0.117	0.000	0.117	0.093	0.024	4.794	97	8.35	21.8	30.0	1.053	933	968	JUR	1985
GARDENHEAD	UPPER SHAUNAVON (NON-UNIT)	0.262	5.00	0.00	5.00	0.013	0.000	0.013	0.007	0.006	1.680	65	7.90	7.1	25.0	1.042	909	1360	JUR	1993
	UPPER SHAUNAVON (VOL UNIT NO. 1)	4.588	4.60	5.50	10.10	0.211	0.252	0.463	0.234	0.229	32.110	648	4.20	22.0	20.0	1.044	909	1360	JUR	1993
GARDENHEAD SOUTH	UPPER SHAUNAVON	0.719	10.00	17.50	27.50	0.072	0.126	0.198	0.090	0.107	9.637	264	1.72	22.0	25.0	1.042	914	1360	JUR	1970
GULL LAKE	BASAL CANTUAR SAND (JOHNSTON UNIT)	1.030	6.50	8.09	14.59	0.067	0.083	0.150	0.150	0.000	0.000	132	6.58	21.1	39.5	1.076	915	1100	CRE	1953
	BASAL CANTUAR SAND (NON-UNIT)	3.568	4.25	0.00	4.25	0.152	0.000	0.152	0.083	0.068	28.299	291	9.20	23.7	39.5	1.076	927	1100	CRE	1953
	BASAL CANTUAR SAND (VOL UNIT NO. 1)	2.729	3.30	14.80	18.10	0.090	0.404	0.494	0.452	0.042	5.916	449	3.58	26.0	30.0	1.075	914	1100	CRE	1953
	ROSERAY SAND	0.464	2.70	0.00	2.70	0.013	0.000	0.013	0.012	0.001	0.316	49	6.30	25.0	35.0	1.080	920	1075	JUR	1994
GULL LAKE CENTRAL	UPPER SHAUNAVON (NON-UNIT)	2.964	6.95	0.00	6.95	0.206	0.000	0.206	0.193	0.013	4.111	971	3.90	15.8	46.5	1.080	907	1195	JUR	1953
	UPPER SHAUNAVON (VOL UNIT NO. 1)	0.614	24.00	23.50	47.50	0.147	0.144	0.292	0.234	0.058	4.380	453	1.62	16.9	46.5	1.080	914	1195	JUR	1953
GULL LAKE NORTH	BASAL CANTUAR SAND	0.209	0.82	0.00	0.82	0.002	0.000	0.002	0.001	0.000	0.281	16	7.50	29.1	35.0	1.087	927	1060	CRE	1996
	UPPER SHAUNAVON (NON-UNIT)	0.395	35.50	0.00	35.50	0.140	0.000	0.140	0.067	0.073	13.062	97	2.80	20.0	25.0	1.031	920	1158	JUR	1953
	UPPER SHAUNAVON (UNIT)	6.911	11.00	40.50	51.50	0.760	2.799	3.559	3.346	0.213	36.275	1246	3.93	19.4	25.0	1.031	964	1158	JUR	1953
GULL LAKE SOUTH	UPPER SHAUNAVON (NON-UNIT)	0.295	2.50	0.00	2.50	0.007	0.000	0.007	0.007	0.000	0.024	65	3.20	19.5	25.0	1.031	891	1325	JUR	1952
	UPPER SHAUNAVON (VOL UNIT NO. 1)	1.561	9.60	6.00	15.60	0.150	0.094	0.243	0.205	0.038	6.605	779	1.22	24.7	30.0	1.053	891	1325	JUR	1952
HAZLET	ROSERAY SAND (NON-UNIT)	0.243	5.50	0.00	5.50	0.013	0.000	0.013	0.011	0.003	1.160	32	4.25	23.7	21.0	1.050	920	963	JUR	1963
	ROSERAY SAND (UNIT)	1.742	26.10	18.03	44.13	0.455	0.314	0.769	0.668	0.100	17.188	191	5.27	23.0	21.0	1.050	920	963	JUR	1963
ILLERBRUN	UPPER SHAUNAVON (NON-UNIT)	0.399	14.50	0.00	14.50	0.058	0.000	0.058	0.049	0.009	1.265	97	3.62	15.4	22.0	1.057	885	1280	JUR	1965
	UPPER SHAUNAVON (VOLUNTARY UNIT)	3.221	16.60	17.75	34.35	0.535	0.572	1.106	1.062	0.044	6.638	453	6.06	15.9	22.0	1.057	885	1280	JUR	1965
INSTOW	UPPER SHAUNAVON (NON-UNIT)	0.204	7.50	0.00	7.50	0.015	0.000	0.015	0.008	0.007	2.204	65	3.30	11.8	15.0	1.056	922	1372	JUR	1954
	UPPER SHAUNAVON (SOUTH VOL UNIT)	1.855	14.60	17.00	31.60	0.271	0.315	0.586	0.392	0.194	27.980	441	3.21	16.4	15.0	1.064	914	1372	JUR	1954
	UPPER SHAUNAVON (UNIT)	22.063	9.40	36.70	46.10	2.074	8.097	10.171	8.886	1.285	127.608	4244	4.68	13.8	15.0	1.056	914	1372	JUR	1954
JAVA	CANTUAR SAND	0.975	1.80	7.40	9.20	0.018	0.072	0.090	0.074	0.016	2.418	347	2.09	24.0	40.0	1.071	947	1013	CRE	1955
JAVA NORTH	CANTUAR SAND	2.239	6.00	12.00	18.00	0.134	0.269	0.403	0.068	0.335	38.351	132	9.00	28.0	30.0	1.040	971	1005	CRE	1984
JAVA WEST	CANTUAR	1.939	11.00	0.00	11.00	0.213	0.000	0.213	0.012	0.201	12.072	97	11.00	27.0	30.0	1.040	960	995	CRE	1996
JOHNSTON	UPPER SHAUNAVON (JOHNSTON UNIT)	0.327	10.68	0.00	10.68	0.035	0.000	0.035	0.035	0.000	0.000	160	1.80	19.0	30.0	1.040	914	1188	JUR	1953
	UPPER SHAUNAVON (NON-UNIT)	0.106	0.73	0.00	0.73	0.001	0.000	0.001	0.001	0.000	0.000	32	2.50	16.0	15.0	1.031	914	1188	JUR	1953
LEITCHVILLE	SHAUNAVON (NON-UNIT)	4.314	4.45	0.00	4.45	0.192	0.000	0.192	0.170	0.022	7.537	908	5.79	14.0	37.5	1.064	923	1371	JUR	1960
	SHAUNAVON (VOLUNTARY UNIT)	4.629	2.50	7.40	9.90	0.116	0.343	0.458	0.353	0.106	11.424	1664	2.60	15.3	25.6	1.064	914	1371	JUR	1960

OIL RESERVES DATA

POOL	HORIZON	INITIAL OIL IN PLACE	ESTIMATED RECOVERY PRIM.	ENHAN.	TOTAL	INITIAL RESERVES PRIM.	ENHAN.	TOTAL	TOTAL PROD. 12/31/98	REMAINING RESERVES	1998 PROD.	DEV. AREA	NET PAY	AVE. POR.	AVE. CONN. WATER	FORM. VOLUME FACTOR	OIL DENSITY	PROD. DEPTH	SYSTEM	DISC. YEAR
		1000000 m3	%			1000000 m3					1000 m3	ha	m	%			KG/m3	m		
LEON LAKE	SHAUNAVON	6 911	5 70	0 00	5 70	0 394	0 000	0 394	0 372	0 022	8 982	1424	5 24	16 3	40 0	1 056	922	1371	JUR	1953
MAIN SUCCESS	ROSERAY SAND (MAIN UNIT)	6 858	13 00	30 20	43 20	0 892	2 071	2 963	2 789	0 173	17 270	770	4 51	26 8	19 9	1 087	914	975	JUR	1952
NORTH PREMIER	ROSERAY SAND (NON-UNIT)	0 527	24 00	0 00	24 00	0 126	0 000	0 126	0 090	0 036	4 989	81	3 60	25 1	25 0	1 042	917	1006	JUR	1953
	ROSERAY SAND (UNIT NO 1)	4 017	15 00	31 00	46 00	0 603	1 245	1 848	1 805	0 042	6 219	364	4 66	32 9	25 0	1 042	918	1006	JUR	1953
	ROSERAY SAND (VOL UNIT NO 4)	4 840	15 00	44 20	59 20	0 726	2 139	2 865	2 519	0 346	43 023	460	6 42	26 7	35 8	1 046	913	1006	JUR	1953
	UPPER SHAUNAVON (NON-UNIT)	3 025	8 50	3 45	11 95	0 257	0 104	0 361	0 247	0 114	23 702	502	4 50	18 8	25 0	1 053	906	1067	JUR	1953
	UPPER SHAUNAVON (UNIT NO 1)	0 243	15 50	0 00	15 50	0 038	0 000	0 038	0 035	0 003	1 425	49	4 57	16 1	25 0	1 111	914	1067	JUR	1953
	UPPER SHAUNAVON (VOL UNIT NO 4)	4 381	6 50	9 30	15 80	0 285	0 407	0 692	0 487	0 205	21 921	1572	2 80	19 0	45 0	1 050	906	1067	JUR	1953
	UPPER SHAUNAVON (VOLUNTARY UNIT)	0 942	6 00	10 00	16 00	0 056	0 094	0 151	0 147	0 003	1 868	291	3 36	16 9	40 0	1 053	914	1067	JUR	1953
NOTUKEU	UPPER SHAUNAVON	2 541	1 60	0 00	1 60	0 041	0 000	0 041	0 035	0 005	1 450	583	4 58	13 5	25 0	1 064	917	1368	JUR	1969
PENNANT	UPPER SHAUNAVON (VOLUNTARY UNIT)	0 555	20 90	3 30	24 20	0 116	0 018	0 134	0 119	0 016	2 004	375	2 10	16 5	55 0	1 053	928	990	JUR	1965
RANGEVIEW	MADISON	0 810	15 70	0 00	15 70	0 127	0 000	0 127	0 095	0 032	11 589	130	6 75	12 9	25 0	1 047	966	1440	MIS	1994
RANGEVIEW EAST	MADISON	0 817	4 80	0 00	4 80	0 039	0 000	0 039	0 039	0 000	0 000	178	3 99	17 2	30 0	1 047	965	1380	MIS	1994
RAPDAN	UPPER SHAUNAVON (N RAPDAN VOL UNIT)	3 974	3 50	3 20	6 70	0 139	0 127	0 266	0 212	0 055	6 185	497	5 08	17 7	5 0	1 064	914	1402	JUR	1953
	UPPER SHAUNAVON (NON-UNIT)	2 200	1 15	0 00	1 15	0 025	0 000	0 025	0 024	0 002	1 837	453	3 73	16 3	15 0	1 064	919	1402	JUR	1953
	UPPER SHAUNAVON (UNIT)	16 574	6 70	21 00	27 70	1 110	3 481	4 591	3 780	0 811	89 644	3400	5 00	15 0	30 0	1 077	914	1402	JUR	1953
	UPPER SHAUNAVON (VOL UNIT NO 2)	1 111	6 60	12 80	19 40	0 073	0 142	0 215	0 196	0 019	5 773	259	4 14	15 6	28 3	1 060	914	1402	JUR	1953
RAPDAN NORTH	LOWER SHAUNAVON	1 634	1 46	0 00	1 46	0 024	0 000	0 024	0 023	0 001	0 572	194	8 00	14 0	20 0	1 064	920	1405	JUR	1969
RAPDAN SOUTH	UPPER SHAUNAVON	0 882	3 40	0 00	3 40	0 030	0 000	0 030	0 024	0 006	1 691	275	2 88	15 3	20 0	1 099	920	1400	JUR	1964
RAPDAN WEST	SHAUNAVON	6 367	4 45	0 00	4 45	0 283	0 000	0 283	0 256	0 027	6 764	1554	3 45	13 3	5 0	1 064	921	1407	JUR	1955
SEWARD	BASAL MANNVILLE SAND	0 671	7 50	0 00	7 50	0 050	0 000	0 050	0 015	0 035	7 335	113	4 90	19 8	35 0	1 060	930	1006	CRE	1996
SOUTH SUCCESS	ROSERAY SAND (SOUTHWEST UNIT)	2 309	16 40	8 45	24 85	0 379	0 195	0 574	0 455	0 118	23 447	261	5 66	24 0	30 0	1 075	934	975	JUR	1953
	ROSERAY SAND (SUCCESS UNIT)	8 751	13 20	37 50	50 70	1 155	3 282	4 437	4 059	0 378	48 327	748	6 07	27 4	23 4	1 089	914	975	JUR	1953
SUCCESS ALPHA	ROSERAY SAND (ALPHA UNIT)	1 440	14 30	31 70	46 00	0 206	0 456	0 662	0 634	0 029	4 367	176	4 60	24 8	22 9	1 075	920	975	JUR	1953
SUCCESS NORTH	ROSERAY SAND (VOLUNTARY UNIT)	1 038	28 40	31 90	60 30	0 295	0 331	0 626	0 464	0 162	18 378	297	2 39	25 0	37 0	1 077	929	986	JUR	1966
SUFFIELD	BASAL CANTUAR SAND	5 852	4 10	0 00	4 10	0 240	0 000	0 240	0 079	0 161	32 565	340	11 70	24 6	35 0	1 087	927	1060	CRE	1996
	ROSERAY SAND (NON-UNIT)	5 753	5 30	12 50	17 80	0 305	0 719	1 024	0 193	0 831	72 886	389	9 70	24 7	35 0	1 053	920	1035	JUR	1963
	ROSERAY SAND (UNIT NO 1)	2 870	15 00	35 74	50 74	0 430	1 026	1 456	1 412	0 044	17 143	324	6 20	28 0	45 0	1 078	919	1036	JUR	1954
	ROSERAY SAND (UNIT NO 3)	2 780	13 00	48 50	61 50	0 361	1 348	1 709	1 528	0 181	31 741	593	2 99	26 0	35 0	1 078	918	1036	JUR	1954
	UPPER SHAUNAVON (NON-UNIT)	3 157	3 90	0 00	3 90	0 123	0 000	0 123	0 084	0 039	9 339	324	7 28	18 4	25 0	1 031	937	1097	JUR	1954
	UPPER SHAUNAVON (UNIT NO 2)	3 581	7 00	25 60	32 60	0 251	0 917	1 167	0 859	0 308	35 567	777	3 60	17 6	25 0	1 031	914	1097	JUR	1954
	UPPER SHAUNAVON (UNIT NO 3)	0 805	9 90	26 00	35 90	0 080	0 209	0 289	0 260	0 029	5 394	262	2 28	22 8	36 2	1 060	918	1097	JUR	1954
VERLO	ROSERAY SAND (UNIT)	9 787	3 50	42 60	46 10	0 343	4 169	4 512	3 033	1 479	104 238	752	7 07	28 0	29 0	1 060	920	963	JUR	1956
WEBB	CANTUAR SAND	11 562	4 50	12 00	16 50	0 520	1 387	1 908	0 544	1 363	180 195	1089	6 65	25 0	30 0	1 076	930	1000	CRE	1995
WEBB SOUTH	CANTUAR SAND	1 046	4 00	4 20	8 20	0 042	0 044	0 086	0 040	0 046	10 473	97	6 30	26 3	30 0	1 076	930	1000	CRE	1995
WEBB WEST	CANTUAR SAND	1 880	13 00	8 00	21 00	0 244	0 150	0 395	0 044	0 351	38 574	243	5 80	20 5	30 0	1 076	930	1000	CRE	1998
WHITEMUD	SHAUNAVON	8 650	2 00	0 00	2 00	0 173	0 000	0 173	0 145	0 028	11 297	1068	6 81	16 1	20 0	1 083	924	1432	JUR	1953
	TOTAL AREA 3M	515 843				50 882	82 963	133 845	107 077	26 769	3,354 250									

OIL RESERVES DATA

POOL	HORIZON	INITIAL OIL IN PLACE	ESTIMATED RECOVERY PRIM.	ENHAN.	TOTAL	INITIAL RESERVES PRIM.	ENHAN.	TOTAL	TOTAL PROD. 12/31/98	REMAINING RESERVES	1998 PROD.	DEV. AREA	NET PAY	AVE. POR.	AVE. CONN. WATER	FORM. VOLUME FACTOR	OIL DENSITY	PROD. DEPTH	SYSTEM	DISC. YEAR
		1000000 m3	%			1000000 m3					1000 m3	ha	m	%			KG/m3	m		
AREA 4L																				
MISCELLANEOUS	ALIDA	15 580	4 80	0 00	4 80	0 746	0 000	0 746	0 403	0 345	111 079	2539	8 80	14 3	35 0	1 333			MIS	
	BAKKEN SAND	4 760	3 70	0 00	3 70	0 176	0 000	0 176	0 138	0 038	9 178	939	6 20	11 6	25 0	1 064			MIS	
	BIRDBEAR	0 693	4 20	0 00	4 20	0 029	0 000	0 029	0 023	0 006	1 320	210	4 17	12 4	25 0	1 176			DEV	
	DUPEROW	1 080	18 00	0 00	18 00	0 196	0 000	0 196	0 023	0 174	20 739	130	7 00	15 0	0 2	1 250			DEV	
	FROBISHER	23 934	5 70	0 00	5 70	1 364	0 000	1 364	0 570	0 794	111 729	4978	8 50	11 6	35 0	1 333			MIS	
	FROBISHER-ALIDA	5 904	5 40	0 00	5 40	0 319	0 000	0 319	0 122	0 197	27 484	1077	7 70	14 6	35 0	1 333			MIS	
	LOWER WATROUS	0 091	15 00	0 00	15 00	0 014	0 000	0 014	0 007	0 008	1 284	32	4 40	13 1	45 0	1 111			TRI	
	MIDALE	7 830	4 50	0 00	4 50	0 352	0 000	0 352	0 250	0 102	19 628	1803	7 10	11 7	35 0	1 333			MIS	
	RED RIVER	29 991	6 60	0 00	6 60	1 979	0 000	1 979	0 479	1 500	235 248	3560	23 10	7 5	35 0	1 333			ORD	
	SOURIS VALLEY	4 535	1 65	0 00	1 65	0 075	0 000	0 075	0 062	0 013	3 468	583	14 90	11 6	50 0	1 111			MIS	
	TILSTON	8 979	4 10	0 00	4 10	0 368	0 000	0 368	0 133	0 236	27 385	1279	10 40	12 5	40 0	1 111			MIS	
	TILSTON-SOURIS VALLEY	0 180	4 50	0 00	4 50	0 008	0 000	0 008	0 008	0 001	0 000	64	7 90	7 9	80 0	1 111			MIS	
	WINNIPEG SANDSTONE	1 030	1 75	0 00	1 75	0 018	0 000	0 018	0 003	0 015	2 800	130	12 00	10 0	25 0	1 136			ORD	
	WINNIPEGOSIS	28 938	1 60	0 00	1 60	0 465	0 000	0 465	0 357	0 128	39 296	1619	27 00	11 1	25 0	1 351			DEV	
ALAMEDA	MIDALE (CENTRAL UNIT)	1 162	11 70	28 30	40 00	0 136	0 329	0 465	0 441	0 024	3 490	880	2 53	16 3	43 0	1 378	823	1347	MIS	1956
	MIDALE (EAST UNIT)	4 848	17 50	35 40	52 90	0 848	1 716	2 565	1 803	0 762	48 084	2363	2 77	17 2	41 0	1 370	826	1347	MIS	1956
	MIDALE (NON-UNIT)	7 200	3 75	0 00	3 75	0 270	0 000	0 270	0 245	0 025	7 198	1710	8 50	11 7	42 0	1 370	842	1347	MIS	1956
	MIDALE (NORTH UNIT)	1 000	12 00	16 62	28 62	0 120	0 166	0 286	0 280	0 007	1 530	421	3 44	16 6	43 0	1 370	829	1347	MIS	1956
	MIDALE (SOUTH UNIT)	1 792	13 30	14 74	28 04	0 238	0 264	0 502	0 473	0 030	4 021	906	3 35	14 5	45 0	1 351	829	1347	MIS	1956
	MIDALE (VOLUNTARY UNIT NO 1)	1 135	8 06	1 10	9 16	0 091	0 012	0 104	0 087	0 017	2 617	356	9 08	9 9	51 3	1 370	842	1347	MIS	1956
ALAMEDA EAST	FROBISHER	2 748	5 80	0 00	5 80	0 159	0 000	0 159	0 084	0 075	20 159	583	7 00	13 8	35 0	1 333	858	1275	MIS	1983
ALAMEDA WEST	FROBISHER	0 456	1 29	0 00	1 29	0 006	0 000	0 006	0 005	0 001	1 013	130	6 00	12 0	35 0	1 333	846	1375	MIS	1982
	MIDALE (NON-UNIT)	0 183	2 71	0 00	2 71	0 005	0 000	0 005	0 004	0 001	0 225	46	8 00	11 7	45 0	1 351	843	1356	MIS	1982
	MIDALE (VOLUNTARY UNIT NO 1)	0 771	5 00	3 50	8 50	0 039	0 027	0 066	0 057	0 009	1 228	181	8 94	11 7	45 0	1 351	843	1356	MIS	1982
ALIDA EAST	FROBISHER-ALIDA (NON-UNIT)	0 419	8 38	0 00	8 38	0 035	0 000	0 035	0 035	0 000	0 000	66	7 92	16 7	35 0	1 333	824	1122	MIS	1954
	FROBISHER-ALIDA (UNIT)	11 208	28 50	0 00	28 50	3 194	0 000	3 194	2 829	0 366	125 366	1619	7 98	16 5	30 0	1 333	824	1122	MIS	1954
ALIDA NORTH	ALIDA	1 724	26 40	0 00	26 40	0 455	0 000	0 455	0 277	0 179	48 162	178	11 90	15 5	30 0	1 333	838	1143	MIS	1982
ALIDA WEST	FROBISHER-ALIDA	12 486	34 50	0 00	34 50	4 309	0 000	4 309	3 168	1 140	170 392	1282	13 40	13 9	31 0	1 299	838	1143	MIS	1955
AMULET	RATCLIFFE	0 775	4 32	0 00	4 32	0 033	0 000	0 033	0 020	0 013	2 648	97	8 40	22 2	25 0	1 333	870	1510	MIS	1979
ARCOLA	FROBISHER-ALIDA	12 042	23 60	0 00	23 60	2 842	0 000	2 842	2 116	0 726	91 503	1457	11 30	15 0	35 0	1 333	854	1199	MIS	1964
ARCOLA NORTH	ALIDA	0 268	3 73	0 00	3 73	0 010	0 000	0 010	0 009	0 001	0 482	81	5 80	11 5	35 0	1 333	854	1296	MIS	1981
AUBURNTON	FROBISHER-ALIDA	0 199	8 20	0 00	8 20	0 016	0 000	0 016	0 016	0 000	0 501	65	5 10	12 3	35 0	1 333	832	1197	MIS	1985
BELLEGARDE	TILSTON	3 189	2 56	0 00	2 56	0 082	0 000	0 082	0 067	0 015	4 502	324	13 60	13 4	40 0	1 111	842	1012	MIS	1969
BENNETT LAKE	ALIDA	0 162	18 60	0 00	18 60	0 030	0 000	0 030	0 027	0 003	1 040	97	4 50	9 1	35 0	1 087	880	1323	MIS	1968
BENSON	FROBISHER	2 859	5 30	0 00	5 30	0 152	0 000	0 152	0 142	0 009	3 636	421	12 25	8 9	30 0	1 124	832	1197	MIS	1985
	MIDALE (VOLUNTARY UNIT NO 3)	0 231	10 00	0 00	10 00	0 023	0 000	0 023	0 009	0 014	1 219	32	9 00	18 0	50 0	1 124	895	1340	MIS	1985
BIENFAIT	MIDALE	3 235	12 80	0 00	12 80	0 414	0 000	0 414	0 378	0 037	9 765	534	12 60	8 7	35 0	1 176	852	1589	MIS	1980
BROMHEAD EAST	RED RIVER	0 550	4 43	0 00	4 43	0 024	0 000	0 024	0 020	0 005	4 623	97	27 00	3 8	35 0	1 176	856	2851	ORD	1980

OIL RESERVES DATA

POOL	HORIZON	INITIAL OIL IN PLACE	ESTIMATED RECOVERY PRIM.	ENHAN.	TOTAL	INITIAL RESERVES PRIM.	ENHAN.	TOTAL	TOTAL PROD. 12/31/98	REMAINING RESERVES	1998 PROD.	DEV. AREA	NET PAY	AVE. POR.	AVE. CONN. WATER	FORM. VOLUME FACTOR	OIL DENSITY	PROD. DEPTH	SYSTEM	DISC. YEAR
		1000000 m3	%			1000000 m3					1000 m3	ha	m	%			KG/m3	m		
BROWNING	FROBISHER-ALIDA	3.768	19.30	0.00	19.30	0.727	0.000	0.727	0.666	0.061	11.220	615	12.20	10.3	35.0	1.333	853	1280	MIS	1957
BROWNING NORTH	FROBISHER-ALIDA	0.059	14.50	0.00	14.50	0.009	0.000	0.009	0.008	0.000	0.570	65	2.34	7.0	35.0	1.176	855	1263	MIS	1985
BUFFALO HEAD	FROBISHER-ALIDA	3.052	16.60	0.00	16.60	0.507	0.000	0.507	0.464	0.042	24.602	907	5.75	12.0	35.0	1.333	854	1207	MIS	1993
CANTAL	FROBISHER-ALIDA (NON-UNIT)	5.874	15.70	0.00	15.70	0.922	0.000	0.922	0.637	0.285	73.194	890	10.10	13.4	35.0	1.333	834	1196	MIS	1956
	FROBISHER-ALIDA (VOL UNIT NO 1)	0.185	35.27	0.00	35.27	0.065	0.000	0.065	0.065	0.000	0.468	97	5.90	6.9	35.0	1.389	823	1196	MIS	1956
CANTAL SOUTH	FROBISHER-ALIDA	3.896	23.80	0.00	23.80	0.927	0.000	0.927	0.850	0.078	23.250	890	13.40	6.7	35.0	1.333	828	1135	MIS	1956
CARLYLE	ALIDA	0.076	11.00	0.00	11.00	0.008	0.000	0.008	0.004	0.004	0.704	16	6.50	15.0	35.0	1.333	850	1180	MIS	1966
CARLYLE SOUTH	LOWER WATROUS	1.137	2.22	0.00	2.22	0.025	0.000	0.025	0.019	0.006	1.787	259	6.00	15.0	35.0	1.333	852	1140	TRI	1992
CARNDUFF	FROBISHER	10.097	9.90	0.00	9.90	1.000	0.000	1.000	0.782	0.218	60.224	1894	8.22	13.3	35.0	1.333	854	1298	MIS	1956
	MIDALE (EAST UNIT)	8.421	15.00	21.26	36.26	1.263	1.790	3.053	2.969	0.085	15.062	5568	2.00	14.4	30.0	1.333	844	1280	MIS	1955
	MIDALE (NON-UNIT)	1.993	7.50	4.50	12.00	0.149	0.090	0.239	0.221	0.018	4.649	626	6.40	10.2	35.0	1.333	835	1280	MIS	1955
	MIDALE (SOUTH VOLUNTARY UNIT)	1.089	10.10	0.00	10.10	0.110	0.000	0.110	0.110	0.000	1.012	680	2.50	12.2	30.0	1.333	839	1280	MIS	1955
	MIDALE (VOLUNTARY UNIT NO 1)	0.433	14.20	29.24	43.44	0.062	0.127	0.188	0.129	0.059	5.350	223	2.70	13.7	30.0	1.333	837	1280	MIS	1955
	MIDALE (VOLUNTARY UNIT NO 2)	0.288	11.00	6.50	17.50	0.032	0.019	0.050	0.044	0.006	1.925	160	3.43	10.0	30.0	1.333	837	1216	MIS	1984
	MIDALE (VOLUNTARY UNIT NO 3)	0.301	15.04	0.40	15.44	0.045	0.001	0.047	0.045	0.001	0.833	86	4.94	13.5	30.0	1.333	845	1218	MIS	1983
	MIDALE (WEST UNIT)	3.421	13.00	32.00	45.00	0.445	1.095	1.539	1.505	0.034	8.104	2104	2.40	12.9	30.0	1.333	844	1280	MIS	1955
CEYLON	BAKKEN SAND	2.512	0.84	0.00	0.84	0.021	0.000	0.021	0.013	0.008	1.030	162	22.00	10.0	25.0	1.064	825	1953	MIS	1992
CLARILAW	FROBISHER-ALIDA	1.026	24.70	0.00	24.70	0.253	0.000	0.253	0.242	0.012	8.636	421	4.27	11.7	35.0	1.333	858	1231	MIS	1983
CLARILAW EAST	FROBISHER-ALIDA	0.116	16.00	0.00	16.00	0.019	0.000	0.019	0.004	0.015	1.903	32	7.00	10.0	35.0	1.250	860	1215	MIS	1998
CLARILAW WEST	FROBISHER-ALIDA (KISBEY VOL UNIT)	0.672	28.00	0.00	28.00	0.188	0.000	0.188	0.184	0.005	2.477	210	5.40	11.4	35.0	1.250	843	1234	MIS	1983
	FROBISHER-ALIDA (NON-UNIT)	0.626	6.05	0.00	6.05	0.038	0.000	0.038	0.034	0.004	1.664	146	8.50	9.7	35.0	1.250	843	1234	MIS	1983
CRYSTAL HILL	SOURIS VALLEY	0.895	12.05	0.00	12.05	0.108	0.000	0.108	0.106	0.002	0.354	291	6.19	9.2	40.0	1.111	861	1113	MIS	1966
DALESBORO	FROBISHER-ALIDA	0.216	17.65	0.00	17.65	0.038	0.000	0.038	0.037	0.001	0.683	81	4.88	11.2	35.0	1.333	853	1262	MIS	1986
DALESBORO NORTH	FROBISHER-ALIDA	0.406	2.50	0.00	2.50	0.010	0.000	0.010	0.010	0.000	0.018	65	8.10	13.7	25.0	1.333	844	1254	MIS	1957
EDENVALE	TILSTON	4.630	15.90	0.00	15.90	0.736	0.000	0.736	0.449	0.287	41.870	810	7.30	14.5	40.0	1.111	853	1126	MIS	1983
EDENVALE NORTH	TILSTON	0.272	6.29	0.00	6.29	0.017	0.000	0.017	0.016	0.001	0.847	97	4.00	13.0	40.0	1.111	850	1125	MIS	1985
ELMORE	FROBISHER (NON-UNIT)	1.169	6.30	0.00	6.30	0.074	0.000	0.074	0.061	0.012	6.976	259	9.00	10.6	45.0	1.163	875	1219	MIS	1961
	FROBISHER (VOLUNTARY UNIT)	5.019	28.00	14.07	42.07	1.405	0.706	2.111	1.994	0.117	19.645	874	7.00	15.9	40.0	1.163	871	1219	MIS	1961
	MIDALE	0.292	25.97	0.00	25.97	0.076	0.000	0.076	0.075	0.001	0.477	194	2.71	11.4	35.0	1.333	841	1204	MIS	1961
FERTILE	TILSTON	0.265	7.74	0.00	7.74	0.021	0.000	0.021	0.019	0.002	0.638	49	6.87	14.6	40.0	1.111	860	953	MIS	1983
	TILSTON-SOURIS VALLEY	0.460	3.10	0.00	3.10	0.014	0.000	0.014	0.011	0.003	0.000	81	9.15	11.5	40.0	1.111	860	953	MIS	1956
FLAT LAKE	RATCLIFFE (NON-UNIT)	0.265	7.47	0.00	7.47	0.020	0.000	0.020	0.014	0.006	1.237	65	8.00	9.8	35.0	1.250	848	1956	MIS	1985
	RATCLIFFE (VOLUNTARY UNIT NO 1)	8.172	10.00	17.20	27.20	0.817	1.406	2.223	2.040	0.182	26.421	2428	5.64	14.1	49.0	1.205	865	1956	MIS	1985
	RATCLIFFE (VOLUNTARY UNIT NO 2)	1.067	4.70	1.94	6.64	0.050	0.021	0.071	0.047	0.024	2.408	259	6.60	15.3	49.0	1.250	850	1956	MIS	1985
FLORENCE	FROBISHER	1.119	12.00	0.00	12.00	0.134	0.000	0.134	0.124	0.010	3.313	259	7.03	12.6	35.0	1.333	843	1290	MIS	1985
FREDA LAKE	RATCLIFFE (NON-UNIT)	2.300	8.50	4.65	13.15	0.196	0.107	0.302	0.147	0.155	7.431	372	5.30	21.7	40.0	1.116	870	1694	MIS	1967
	RATCLIFFE (VOLUNTARY UNIT NO 1)	7.506	11.50	8.30	19.80	0.863	0.623	1.486	0.893	0.593	31.984	2720	2.30	23.7	43.5	1.116	870	1290	MIS	1985
FROUDE	RED RIVER	1.434	39.90	0.00	39.90	0.572	0.000	0.572	0.083	0.490	66.603	130	23.00	7.7	25.0	1.204	839	2400	ORD	1997
FRYS	TILSTON-SOURIS VALLEY	4.487	8.00	0.00	8.00	0.359	0.000	0.359	0.250	0.109	18.533	572	12.73	13.0	40.0	1.111	846	974	MIS	1958
FRYS EAST	TILSTON-SOURIS VALLEY	1.537	4.10	0.00	4.10	0.063	0.000	0.063	0.058	0.005	5.347	362	14.40	12.2	40.0	1.111	846	974	MIS	1984

OIL RESERVES DATA

POOL	HORIZON	INITIAL OIL IN PLACE	ESTIMATED RECOVERY PRIM.	ENHAN.	TOTAL	INITIAL RESERVES PRIM.	ENHAN.	TOTAL	TOTAL PROD. 12/31/98	REMAINING RESERVES	1998 PROD.	DEV. AREA	NET PAY	AVE. POR.	AVE. CONN. WATER	FORM. VOLUME FACTOR	OIL DENSITY	PROD. DEPTH	SYSTEM	DISC. YEAR
		1000000 m3	%			1000000 m3					1000 m3	ha	m	%			KG/m3	m		
GAINSBOROUGH	FROBISHER-ALIDA (NON-UNIT)	8.134	14.26	0.00	14.26	1.160	0.000	1.160	0.727	0.433	134.822	1409	9.20	10.3	30.0	1.149	865	1072	MIS	1956
	FROBISHER-ALIDA (VOLUNTARY UNIT)	1.090	10.80	5.70	16.50	0.118	0.062	0.180	0.173	0.007	4.757	243	6.40	11.5	30.0	1.149	858	1072	MIS	1956
GAINSBOROUGH NORTH	FROBISHER-ALIDA	6.332	21.10	0.00	21.10	1.336	0.000	1.336	1.094	0.242	36.783	879	9.33	12.1	30.0	1.097	865	1077	MIS	1987
GAINSBOROUGH WEST	FROBISHER (VOLUNTARY UNIT NO. 1)	0.699	9.32	0.00	9.32	0.065	0.000	0.065	0.062	0.003	0.825	162	6.90	10.0	30.0	1.120	854	1115	MIS	1964
GLEN EWEN	FROBISHER	2.467	12.50	0.15	12.65	0.308	0.004	0.312	0.296	0.016	3.757	502	9.60	10.5	35.0	1.333	818	1304	MIS	1954
	MIDALE (NON-UNIT)	0.478	2.82	0.00	2.82	0.013	0.000	0.013	0.013	0.001	0.278	146	4.80	14.0	35.0	1.333	826	1280	MIS	1954
	MIDALE (UNIT)	5.989	13.00	5.46	18.46	0.779	0.327	1.106	1.098	0.007	4.061	4209	2.13	13.7	35.0	1.333	828	1280	MIS	1954
HARTAVEN	WINNIPEG SAND	1.504	15.60	0.00	15.60	0.235	0.000	0.235	0.030	0.205	30.015	130	18.40	8.7	15.0	1.176	760	2415	ORD	1997
HASTINGS	FROBISHER (NON-UNIT)	14.581	19.28	0.00	19.28	2.811	0.000	2.811	2.596	0.213	49.864	3036	9.70	11.0	40.0	1.333	842	1200	MIS	1955
	FROBISHER (UNIT)	2.370	28.60	4.25	32.85	0.678	0.101	0.778	0.752	0.026	4.500	502	6.49	14.8	37.0	1.282	833	1200	MIS	1955
	FROBISHER (VOLUNTARY UNIT NO. 1)	4.702	17.50	9.75	27.25	0.823	0.458	1.281	1.211	0.070	10.297	1105	6.37	13.7	35.0	1.333	840	1200	MIS	1955
	FROBISHER (VOLUNTARY UNIT NO. 2)	5.705	11.00	3.31	14.31	0.628	0.189	0.816	0.815	0.001	1.393	971	6.10	19.6	37.0	1.282	843	1200	MIS	1955
HASTINGS EAST	FROBISHER	4.200	19.40	0.00	19.40	0.815	0.000	0.815	0.734	0.081	25.769	1198	8.17	8.8	35.0	1.333	837	1147	MIS	1956
HASTINGS WEST	FROBISHER	1.100	17.30	0.00	17.30	0.190	0.000	0.190	0.132	0.059	18.266	389	5.47	10.6	35.0	1.333	837	1147	MIS	1963
HAZELWOOD	TILSTON	4.777	15.60	0.00	15.60	0.755	0.000	0.755	0.615	0.140	26.409	631	10.62	13.2	40.0	1.111	848	1174	MIS	1963
HAZELWOOD CENTRAL	TILSTON	5.130	8.20	0.00	8.20	0.421	0.000	0.421	0.298	0.123	26.793	761	8.98	13.9	40.0	1.111	864	1203	MIS	1989
HITCHCOCK	WINNIPEGOSIS	8.109	2.19	0.00	2.19	0.178	0.000	0.178	0.175	0.003	1.812	421	31.83	10.9	25.0	1.351	863	2485	DEV	1988
HOFFER	RATCLIFFE	1.589	21.10	0.00	21.10	0.335	0.000	0.335	0.274	0.062	6.723	421	8.60	11.0	35.0	1.250	878	1931	MIS	1964
HUME	FROBISHER	3.170	15.10	0.00	15.10	0.479	0.000	0.479	0.410	0.068	17.348	777	8.84	8.0	35.0	1.124	883	1350	MIS	1967
	MIDALE	0.921	34.20	0.00	34.20	0.315	0.000	0.315	0.184	0.131	7.846	389	4.60	8.9	35.0	1.124	869	1332	MIS	1968
HUMMINGBIRD	BAKKEN (VOLUNTARY UNIT NO. 1)	0.525	24.00	14.60	38.60	0.126	0.077	0.203	0.117	0.086	9.834	162	4.94	9.3	25.0	1.064	825	2226	MIS	1966
	BIRDBEAR (VOLUNTARY UNIT NO. 1)	1.167	49.40	0.00	49.40	0.577	0.000	0.577	0.529	0.048	5.788	209	9.05	10.3	28.7	1.190	830	2326	DEV	1966
	RATCLIFFE (VOLUNTARY UNIT NO. 1)	4.118	12.00	15.10	27.10	0.494	0.622	1.116	0.865	0.251	30.623	442	10.71	14.0	30.6	1.117	870	1890	MIS	1966
HUMMINGBIRD SOUTH	BAKKEN SAND	0.262	22.50	0.00	22.50	0.059	0.000	0.059	0.034	0.025	4.488	32	15.50	9.4	25.0	1.333	825	2265	MIS	1968
	RATCLIFFE	1.559	16.90	0.00	16.90	0.264	0.000	0.264	0.224	0.039	4.827	97	22.60	12.3	35.0	1.124	870	1925	MIS	1967
HUNTOON NORTH	FROBISHER (NON-UNIT)	1.132	6.06	0.00	6.06	0.069	0.000	0.069	0.065	0.004	4.604	243	10.20	7.9	35.0	1.124	892	1370	MIS	1987
	FROBISHER (VOLUNTARY UNIT NO. 1)	0.597	5.72	0.00	5.72	0.034	0.000	0.034	0.033	0.001	2.818	129	10.00	8.0	35.0	1.124	892	1370	MIS	1987
INGOLDSBY	FROBISHER-ALIDA (NON-UNIT)	15.451	18.10	0.00	18.10	2.797	0.000	2.797	1.632	1.165	157.709	2040	11.10	11.2	30.0	1.149	850	1089	MIS	1955
	FROBISHER-ALIDA (VOLUNTARY UNIT)	6.242	49.91	0.00	49.91	3.116	0.000	3.116	2.822	0.293	102.872	907	8.69	13.0	30.0	1.149	865	1089	MIS	1955
INGOLDSBY EAST	ALIDA	4.160	7.80	0.00	7.80	0.326	0.000	0.326	0.239	0.087	19.160	502	10.30	12.8	28.0	1.140	863	1060	MIS	1985
INGOLDSBY NORTH	ALIDA (NON-UNIT)	0.375	2.50	0.00	2.50	0.009	0.000	0.009	0.004	0.005	1.039	65	6.00	17.0	35.0	1.150	860	1088	MIS	1964
	ALIDA (VOLUNTARY UNIT NO. 1)	0.980	4.00	0.00	4.00	0.039	0.000	0.039	0.032	0.007	0.920	204	5.00	17.0	35.0	1.150	860	1088	MIS	1964
INGOLDSBY WEST	FROBISHER-ALIDA (NON-UNIT)	0.178	0.00	0.00	0.00	0.000	0.000	0.000	0.007	0.000	0.000	32	10.90	8.1	30.0	1.111	850	1096	MIS	1986
	FROBISHER-ALIDA (VOL UNIT NO. 1)	0.440	25.20	0.00	25.20	0.111	0.000	0.111	0.100	0.011	2.712	121	6.97	10.0	40.0	1.150	850	1096	MIS	1986
KENOSEE	TILSTON (VOLUNTARY UNIT)	5.524	44.50	0.00	44.50	2.458	0.000	2.458	2.315	0.143	21.408	1328	5.00	16.0	35.0	1.250	848	1196	MIS	1958
KISBEY	BIRDBEAR	1.350	26.50	0.00	26.50	0.358	0.000	0.358	0.326	0.032	9.582	211	8.46	12.0	25.0	1.190	845	1626	DEV	1968
	FROBISHER-ALIDA	9.230	18.30	0.00	18.30	1.689	0.000	1.689	1.295	0.394	56.531	1020	11.70	13.2	26.0	1.263	840	1195	MIS	1985
KISBEY SOUTH	FROBISHER-ALIDA (NON-UNIT)	0.079	16.50	0.00	16.50	0.013	0.000	0.013	0.007	0.006	1.112	16	6.00	14.0	26.0	1.263	840	1260	MIS	1994
	FROBISHER-ALIDA (VOL UNIT NO. 1)	0.405	12.40	0.00	12.40	0.050	0.000	0.050	0.033	0.017	3.672	96	6.00	12.0	26.0	1.263	840	1260	MIS	1994
LIGHTNING	TILSTON	3.766	4.24	0.00	4.24	0.160	0.000	0.160	0.147	0.013	6.957	502	9.72	14.3	40.0	1.111	843	1058	MIS	1957

OIL RESERVES DATA

POOL	HORIZON	INITIAL OIL IN PLACE	ESTIMATED RECOVERY PRIM.	ENHAN.	TOTAL	INITIAL RESERVES PRIM.	ENHAN.	TOTAL	TOTAL PROD. 12/31/98	REMAINING RESERVES	1998 PROD.	DEV. AREA	NET PAY	AVE. POR.	AVE. CONN. WATER	FORM. VOLUME FACTOR	OIL DENSITY	PROD. DEPTH	SYSTEM	DISC. YEAR
		1000000 m3	%			1000000 m3					1000 m3	ha	m	%			KG/m3	m		
LIGHTNING SOUTH	TILSTON	0.393	0.00	0.00	0.00	0.000	0.000	0.000	0.010	0.000	0.000	65	7.00	16.0	40.0	1.111	850	1098	MIS	1994
MACOUN	WINNIPEGOSIS (NON-UNIT)	6.343	3.70	0.85	4.55	0.235	0.054	0.289	0.212	0.076	21.107	324	31.10	10.5	19.0	1.351	827	2420	DEV	1990
	WINNIPEGOSIS (SOUTH VOL. UNIT NO. 1)	0.915	19.13	18.00	37.13	0.175	0.165	0.340	0.300	0.040	18.851	89	11.83	14.5	19.0	1.351	827	2405	DEV	1990
MACOUN NORTH	WINNIPEGOSIS	8.878	2.58	0.00	2.58	0.229	0.000	0.229	0.224	0.005	4.013	356	36.17	11.5	19.0	1.351	828	2387	DEV	1988
MANOR	LOWER WATROUS-ALIDA	14.210	10.90	0.00	10.90	1.549	0.000	1.549	1.038	0.511	74.949	4048	4.00	15.0	35.0	1.111	842	1180	TRI-MIS	1987
	LOWER WATROUS-ALIDA (VOL UNIT NO. 1)	1.362	15.90	0.00	15.90	0.217	0.000	0.217	0.113	0.103	8.259	194	6.00	20.0	35.0	1.111	842	1180	TRI-MIS	1993
MANOR NORTH	LOWER WATROUS	0.093	10.75	0.00	10.75	0.010	0.000	0.010	0.009	0.001	0.344	97	1.00	15.0	30.0	1.100	842	1179	TRI	1990
MIDALE	RED RIVER (VOLUNTARY UNIT NO. 1)	5.726	12.50	5.00	17.50	0.716	0.286	1.002	0.156	0.846	43.304	447	17.20	9.4	10.0	1.136	860	2575	ORD	1996
MIDALE WEST	RED RIVER	2.373	11.20	0.00	11.20	0.266	0.000	0.266	0.139	0.127	26.734	324	18.10	8.5	25.0	1.205	860	2600	ORD	1998
MINTON	RED RIVER	1.990	8.70	0.00	8.70	0.173	0.000	0.173	0.120	0.054	2.978	324	10.00	10.5	35.0	1.111	827	2855	ORD	1989
	WINNIPEGOSIS	1.336	12.40	0.00	12.40	0.166	0.000	0.166	0.131	0.035	11.505	324	9.17	7.5	19.0	1.351	850	2610	DEV	1976
MOOSE MOUNTAIN	TILSTON (NON-UNIT)	11.171	15.95	0.00	15.95	1.782	0.000	1.782	1.224	0.557	103.223	1085	14.30	12.9	40.0	1.075	864	1188	MIS	1980
	TILSTON (VOLUNTARY UNIT NO. 1)	0.208	16.90	0.00	16.90	0.035	0.000	0.035	0.029	0.006	2.521	65	5.50	13.0	52.0	1.075	864	1213	MIS	1980
MORRISVIEW	FROBISHER-ALIDA	0.989	27.30	0.00	27.30	0.270	0.000	0.270	0.233	0.037	8.343	308	4.54	13.6	35.0	1.250	843	1266	MIS	1967
MORRISVIEW WEST	FROBISHER-ALIDA	0.462	7.65	0.00	7.65	0.035	0.000	0.035	0.027	0.008	7.417	227	4.35	9.0	35.0	1.250	843	1266	MIS	1992
NORTH ANTLER	MIDALE (VOLUNTARY UNIT NO. 1)	0.757	8.00	4.95	12.95	0.061	0.037	0.098	0.098	0.000	0.000	233	5.46	12.2	35.0	1.333	827	1152	MIS	1985
NORTH PORTAL	MIDALE	0.419	8.30	0.00	8.30	0.035	0.000	0.035	0.033	0.001	1.180	210	4.70	8.7	35.0	1.333	834	1620	MIS	1988
NORTHGATE	FROBISHER	0.814	16.40	0.00	16.40	0.133	0.000	0.133	0.094	0.039	6.505	243	6.30	10.9	35.0	1.333	843	1585	MIS	1963
	MIDALE (NON-UNIT)	0.036	39.00	0.00	39.00	0.014	0.000	0.014	0.009	0.005	0.868	16	3.84	14.3	45.0	1.333	837	1575	MIS	1963
	MIDALE (VOLUNTARY UNIT)	3.217	8.70	1.72	10.42	0.280	0.055	0.335	0.313	0.023	3.720	1456	4.84	15.6	55.0	1.538	836	1575	MIS	1963
NORTHGATE EAST	FROBISHER	0.153	0.49	0.00	0.49	0.001	0.000	0.001	0.001	0.000	0.029	65	5.61	8.6	35.0	1.333	843	1525	MIS	1994
NOTTINGHAM	ALIDA (NORTH ALIDA BEDS UNIT)	9.423	37.50	0.00	37.50	3.534	0.000	3.534	2.622	0.911	143.492	1182	9.14	16.9	31.2	1.333	839	1066	MIS	1956
NOTTINGHAM EAST	TILSTON	1.699	3.44	0.00	3.44	0.058	0.000	0.058	0.042	0.017	4.769	243	9.47	16.4	40.0	1.333	829	1100	MIS	1981
NOTTINGHAM NORTH	TILSTON	2.112	4.65	0.00	4.65	0.098	0.000	0.098	0.091	0.007	4.802	308	8.94	14.2	40.0	1.111	829	1070	MIS	1992
NOTTINGHAM SOUTH	FROBISHER-ALIDA	5.104	30.90	0.00	30.90	1.577	0.000	1.577	1.136	0.441	43.188	874	7.30	15.5	31.2	1.333	846	1066	MIS	1956
OAKLEY	FROBISHER	1.146	16.60	0.00	16.60	0.190	0.000	0.190	0.183	0.007	5.020	421	5.55	10.9	40.0	1.333	841	1196	MIS	1955
OUNGRE	RATCLIFFE (NON-UNIT)	2.479	17.00	0.00	17.00	0.421	0.000	0.421	0.291	0.131	12.261	793	3.30	18.0	35.0	1.235	878	1828	MIS	1959
	RATCLIFFE (VOLUNTARY UNIT NO. 1)	14.470	10.00	5.68	15.68	1.447	0.822	2.269	1.703	0.566	51.915	2784	6.52	17.9	45.0	1.235	878	1828	MIS	1959
OXBOW	FROBISHER	0.109	7.50	0.00	7.50	0.008	0.000	0.008	0.006	0.003	0.463	32	6.23	11.2	35.0	1.333	845	1310	MIS	1957
PARKMAN	SOURIS VALLEY (NON-UNIT)	0.265	2.50	0.00	2.50	0.007	0.000	0.007	0.007	0.000	0.000	65	8.80	10.3	50.0	1.111	871	1188	MIS	1964
	SOURIS VALLEY (VOLUNTARY UNIT NO. 1)	2.493	15.95	0.00	15.95	0.398	0.000	0.398	0.355	0.042	26.866	939	5.90	10.0	50.0	1.111	871	1188	MIS	1964
	TILSTON	3.664	18.90	0.00	18.90	0.693	0.000	0.693	0.516	0.176	54.169	518	11.10	11.8	40.0	1.111	870	1080	MIS	1958
	TILSTON-SOURIS VALLEY	36.123	18.12	0.00	18.12	6.546	0.000	6.546	5.638	0.908	266.235	3788	16.20	10.9	40.0	1.111	862	1097	MIS	1959
PARKMAN SOUTH	TILSTON-SOURIS VALLEY (NON-UNIT)	0.828	6.90	0.00	6.90	0.057	0.000	0.057	0.035	0.022	10.849	130	8.80	13.4	40.0	1.111	841	1096	MIS	1969
	TILSTON-SOURIS VALLEY (VOL. UNIT)	2.038	11.64	0.00	11.64	0.237	0.000	0.237	0.219	0.018	7.393	178	14.72	14.4	40.0	1.111	841	1096	MIS	1969
PINTO	FROBISHER	1.225	41.90	0.00	41.90	0.513	0.000	0.513	0.490	0.023	5.081	712	4.30	9.7	45.0	1.333	848	1631	MIS	1957
	MIDALE (NON-UNIT)	14.897	4.22	0.00	4.22	0.629	0.000	0.629	0.613	0.016	6.677	2720	10.40	10.8	35.0	1.333	834	1615	MIS	1957
	MIDALE (SOUTH PINTO UNIT)	5.030	10.50	4.16	14.66	0.528	0.209	0.737	0.684	0.054	4.685	2525	4.40	12.9	45.0	1.567	873	1615	MIS	1957
	MIDALE (VOLUNTARY UNIT NO. 2)	1.529	15.30	0.00	15.30	0.234	0.000	0.234	0.205	0.029	6.196	1780	2.50	9.1	42.0	1.538	830	1615	MIS	1957
PINTO EAST	MIDALE	0.256	2.21	0.00	2.21	0.006	0.000	0.006	0.006	0.000	0.000	32	10.40	15.8	35.0	1.333	834	1540	MIS	1974

OIL RESERVES DATA

POOL	HORIZON	INITIAL OIL IN PLACE	ESTIMATED RECOVERY PRIM.	ENHAN.	TOTAL	INITIAL RESERVES PRIM.	ENHAN.	TOTAL	TOTAL PROD. 12/31/98	REMAINING RESERVES	1998 PROD.	DEV. AREA	NET PAY	AVE. POR.	AVE. CONN. WATER	FORM. VOLUME FACTOR	OIL DENSITY	PROD. DEPTH	SYSTEM	DISC. YEAR
		1000000 m3	%			1000000 m3					1000 m3	ha	m	%			KG/m3	m		
QUEENSDALE EAST	FROBISHER-ALIDA (NON-UNIT)	19.437	45.30	0.00	45.30	8.805	0.000	8.805	6.521	2.284	154.793	2836	10.00	12.4	35.0	1.176	850	1173	MIS	1956
	FROBISHER-ALIDA (NORTH CANTAL UNIT)	2.322	47.20	0.00	47.20	1.096	0.000	1.096	1.052	0.044	6.487	437	10.80	8.9	35.0	1.176	843	1173	MIS	1956
QUEENSDALE NORTH	ALIDA	2.858	19.40	0.00	19.40	0.555	0.000	0.555	0.434	0.120	27.487	518	6.90	16.4	35.0	1.333	851	1174	MIS	1959
QUEENSDALE WEST	ALIDA	3.035	32.60	0.00	32.60	0.989	0.000	0.989	0.884	0.106	11.816	534	10.50	11.1	35.0	1.333	859	1204	MIS	1956
	LOWER WATROUS	0.458	2.75	0.00	2.75	0.013	0.000	0.013	0.003	0.010	2.594	130	3.80	19.0	35.0	1.333	842	1140	TRI	1995
RALPH	MIDALE (NON-UNIT)	0.161	6.32	0.00	6.32	0.010	0.000	0.010	0.010	0.000	0.252	97	3.85	11.0	55.9	1.124	863	1315	MIS	1973
	MIDALE (VOLUNTARY UNIT)	1.041	14.20	7.60	21.80	0.148	0.079	0.227	0.182	0.045	6.463	680	3.90	10.0	55.9	1.124	863	1315	MIS	1973
RALPH WEST	MIDALE (NON-UNIT)	2.040	6.12	0.00	6.12	0.125	0.000	0.125	0.113	0.012	6.209	486	8.77	12.2	55.9	1.124	860	1295	MIS	1988
	MIDALE (VOLUNTARY UNIT NO. 1)	0.300	24.00	2.70	26.70	0.072	0.008	0.080	0.060	0.020	2.359	298	2.20	10.8	52.4	1.124	860	1295	MIS	1985
REDVERS	TILSTON	0.416	0.30	0.00	0.30	0.001	0.000	0.001	0.001	0.000	0.000	65	8.00	14.8	40.0	1.111	852	1034	MIS	1994
ROCANVILLE	BAKKEN SAND (NON-UNIT)	0.807	12.90	0.00	12.90	0.104	0.000	0.104	0.095	0.009	2.190	146	6.00	18.9	35.0	1.333	843	715	MIS	1957
	BAKKEN SAND (VOLUNTARY UNIT NO. 1)	1.609	22.72	6.00	28.72	0.366	0.097	0.462	0.349	0.113	8.150	227	5.30	21.6	35.0	1.050	843	715	MIS	1957
	BAKKEN SAND (VOLUNTARY UNIT NO. 2)	1.113	17.20	0.00	17.20	0.191	0.000	0.191	0.084	0.108	42.497	391	1.95	22.8	35.0	1.015	843	715	MIS	1957
RONCOTT	BAKKEN SAND	1.655	7.58	0.00	7.58	0.125	0.000	0.125	0.116	0.010	1.780	356	4.54	14.5	25.0	1.064	823	1822	MIS	1956
ROSEBANK	ALIDA (NON-UNIT)	10.127	24.50	0.00	24.50	2.481	0.000	2.481	1.809	0.672	100.806	923	15.30	15.1	37.5	1.316	841	1067	MIS	1955
	ALIDA (VOLUNTARY UNIT NO. 1)	8.732	48.30	0.00	48.30	4.218	0.000	4.218	3.931	0.287	46.367	971	13.70	12.5	30.0	1.333	828	1067	MIS	1955
ROSEBANK SOUTH	ALIDA (NON-UNIT)	3.704	19.90	0.00	19.90	0.737	0.000	0.737	0.503	0.234	32.767	648	9.20	12.1	35.0	1.266	864	1074	MIS	1954
	ALIDA (VOLUNTARY UNIT NO. 1)	0.641	18.40	0.00	18.40	0.118	0.000	0.118	0.093	0.025	7.469	130	8.00	12.0	35.0	1.266	864	1074	MIS	1955
SERVICE	TILSTON	0.512	2.30	0.00	2.30	0.012	0.000	0.012	0.010	0.002	1.589	81	6.00	18.0	35.0	1.111	845	1130	MIS	1994
SHERWOOD	FROBISHER	4.184	49.30	0.00	49.30	2.063	0.000	2.063	1.937	0.125	16.147	372	15.60	12.9	35.0	1.163	880	1240	MIS	1963
SILVERTON	FROBISHER	2.650	25.00	0.00	25.00	0.663	0.000	0.663	0.265	0.398	71.822	648	15.40	5.9	40.0	1.333	854	1204	MIS	1956
SILVERTON NORTH	FROBISHER	1.421	26.70	0.00	26.70	0.379	0.000	0.379	0.282	0.098	22.392	421	12.50	6.0	40.0	1.333	854	1120	MIS	1964
SKINNER LAKE	RATCLIFFE	4.576	14.31	0.00	14.31	0.655	0.000	0.655	0.436	0.219	13.233	1020	4.60	19.7	45.0	1.111	864	1723	MIS	1969
SOURIS FLAT	FROBISHER	3.358	23.10	0.00	23.10	0.776	0.000	0.776	0.704	0.072	9.448	712	7.80	12.4	35.0	1.333	861	1334	MIS	1965
SOURIS FLAT SOUTH	FROBISHER	0.159	1.20	0.00	1.20	0.002	0.000	0.002	0.002	0.000	0.019	32	12.00	8.5	35.0	1.333	861	1392	MIS	1991
SOUTH FLETWODE	TILSTON	1.734	35.00	0.00	35.00	0.607	0.000	0.607	0.540	0.067	15.008	356	7.10	12.7	40.0	1.111	859	1143	MIS	1961
STAR VALLEY	FROBISHER-ALIDA	7.209	55.39	0.00	55.39	3.993	0.000	3.993	2.433	1.560	149.257	761	12.00	15.0	35.0	1.235	862	1162	MIS	1960
STAR VALLEY SOUTH	FROBISHER-ALIDA	0.514	12.10	0.00	12.10	0.062	0.000	0.062	0.030	0.032	7.478	146	7.60	8.8	35.0	1.235	874	1183	MIS	1984
STEELMAN	FROBISHER (DOUGLASTON UNIT)	0.850	26.47	0.00	26.47	0.225	0.000	0.225				227	7.60	10.1	35.0	1.333	848	1409	MIS	1954
	FROBISHER (NON-UNIT)	20.542	10.80	0.00	10.80	2.219	0.000	2.219	1.919	0.300	59.966	4485	10.10	9.3	35.0	1.333	849	1409	MIS	1954
	FROBISHER (VOLUNTARY UNIT NO. 1)	0.907	31.00	0.00	31.00	0.281	0.000	0.281	0.279	0.002	0.648	363	5.88	9.2	35.0	1.408	833	1409	MIS	1954
	FROBISHER (VOLUNTARY UNIT NO. 2)	0.548	52.11	0.00	52.11	0.286	0.000	0.286	0.286	0.000	0.000	259	4.57	9.5	35.0	1.333	833	1409	MIS	1954
	FROBISHER (VOLUNTARY UNIT NO. 8)	1.237	8.50	1.30	9.80	0.105	0.016	0.121	0.099	0.022	3.885	288	3.60	26.6	40.0	1.338	833	1409	MIS	1954
	MIDALE (DOUGLASTON UNIT)	2.255	12.30	14.41	26.71	0.277	0.325	0.602	0.575	0.028	5.327	745	4.20	15.4	35.0	1.389	834	1399	MIS	1954
	MIDALE (LAMPMAN UNIT)	0.934	13.00	14.55	27.55	0.121	0.136	0.257	0.248	0.009	1.374	437	2.32	18.6	31.2	1.389	862	1399	MIS	1954
	MIDALE (NON-UNIT)	6.748	13.28	0.00	13.28	0.896	0.000	0.896	0.844	0.052	17.775	2995	4.50	10.7	35.0	1.389	846	1399	MIS	1954
	MIDALE (NORTH VOL UNIT NO. 1)	1.963	10.00	5.73	15.73	0.196	0.112	0.309	0.268	0.043	5.031	971	4.13	10.0	32.0	1.389	834	1399	MIS	1954
	MIDALE (NORTH VOL UNIT NO. 2)	1.875	7.55	0.00	7.55	0.142	0.000	0.142	0.125	0.016	3.084	551	6.10	12.3	37.0	1.389	834	1399	MIS	1954
	MIDALE (UNIT IA)	18.404	16.00	33.90	49.90	2.945	6.239	9.184	8.932	0.252	42.655	5463	4.21	17.1	35.0	1.389	843	1399	MIS	1954
	MIDALE (UNIT II)	16.648	25.20	33.90	59.10	4.195	5.644	9.839	8.693	1.146	103.576	2072	9.50	16.5	28.8	1.389	858	1399	MIS	1954

OIL RESERVES DATA

POOL	HORIZON	INITIAL OIL IN PLACE	ESTIMATED RECOVERY PRIM.	ENHAN.	TOTAL	INITIAL RESERVES PRIM.	ENHAN.	TOTAL	TOTAL PROD. 12/31/98	REMAINING RESERVES	1998 PROD.	DEV. AREA	NET PAY	AVE. POR.	AVE. CONN. WATER	FORM. VOLUME FACTOR	OIL DENSITY	PROD. DEPTH	SYSTEM	DISC. YEAR
		1000000 m3	%			1000000 m3					1000 m3	ha	m	%			KG/m3	m		
STEELMAN	MIDALE (UNIT III)	11.465	16.00	25.40	41.40	1.834	2.912	4.746	4.570	0.177	31.300	2818	4.60	18.9	35.0	1.389	827	1399	MIS	1954
	MIDALE (UNIT IV)	15.943	12.60	24.42	37.02	2.009	3.893	5.902	5.522	0.380	39.702	5308	3.89	16.5	35.0	1.389	824	1399	MIS	1954
	MIDALE (UNIT V)	6.555	15.00	12.15	27.15	0.983	0.796	1.780	1.736	0.044	7.269	2849	3.30	14.9	35.0	1.389	837	1399	MIS	1954
	MIDALE (UNIT VI)	25.307	15.70	22.66	38.36	3.973	5.735	9.708	9.490	0.217	41.931	6685	5.12	15.8	35.0	1.389	843	1399	MIS	1954
	MIDALE (UNIT VII)	2.496	10.00	26.85	36.85	0.250	0.670	0.920	0.861	0.059	5.406	713	4.18	17.9	35.0	1.389	870	1399	MIS	1954
	WINNIPEGOSIS (NON-UNIT)	1.202	2.40	0.00	2.40	0.029	0.000	0.029	0.007	0.022	5.206	130	17.00	10.5	30.0	1.351	868	2180	DEV	1994
	WINNIPEGOSIS (VOLUNTARY UNIT NO. 1)	1.206	13.50	9.80	23.30	0.163	0.118	0.281	0.147	0.134	31.544	196	13.20	9.0	30.0	1.351	868	2180	DEV	1994
STORTHOAKS	ALIDA	1.667	11.13	0.00	11.13	0.186	0.000	0.186	0.179	0.008	1.618	130	13.20	16.8	35.0	1.124	842	1065	MIS	1962
	ALIDA (VOLUNTARY UNIT NO. 1)	3.964	20.19	0.00	20.19	0.800	0.000	0.800	0.511	0.289	2.358	416	10.70	15.4	35.0	1.124	842	1065	MIS	1962
	TILSTON	2.058	10.30	0.00	10.30	0.212	0.000	0.212	0.185	0.027	11.936	243	10.10	14.5	35.0	1.124	846	1040	MIS	1962
STORTHOAKS NORTH	TILSTON	0.773	2.35	0.00	2.35	0.018	0.000	0.018	0.016	0.002	0.866	146	7.50	12.2	35.0	1.124	846	1060	MIS	1994
TABLELAND	WINNIPEGOSIS (NON-UNIT)	0.276	37.50	0.00	37.50	0.104	0.000	0.104	0.066	0.038	1.943	65	10.49	7.5	19.0	1.500	827	2576	DEV	1975
	WINNIPEGOSIS (VOLUNTARY UNIT NO. 1)	0.658	17.90	2.70	20.60	0.118	0.018	0.136	0.136	0.000	0.288	68	14.58	12.2	18.4	1.500	827	2576	DEV	1975
THIRTY LAKE	ALIDA	0.610	23.00	0.00	23.00	0.140	0.000	0.140	0.091	0.050	10.896	194	4.30	15.0	35.0	1.333	860	1324	MIS	1985
VIEWFIELD	FROBISHER (NON-UNIT)	1.787	51.60	0.00	51.60	0.922	0.000	0.922	0.896	0.026	9.995	486	6.76	9.7	32.5	1.204	838	1270	MIS	1969
	FROBISHER (VOLUNTARY UNIT NO. 1)	1.479	12.39	0.00	12.39	0.183	0.000	0.183	0.182	0.001	1.296	129	17.10	12.0	35.0	1.163	873	1270	MIS	1969
	VIEWFIELD RIM	3.556	16.50	0.00	16.50	0.587	0.000	0.587	0.546	0.041	12.787	405	16.68	10.7	35.5	1.311	844	1259	TRI	1968
VIEWFIELD EAST	FROBISHER	0.550	1.30	0.00	1.30	0.007	0.000	0.007	0.007	0.000	0.188	195	5.00	11.0	40.0	1.170	854	1312	MIS	1969
WARMLEY	ALIDA (FLETWODE ALIDA VOL UNIT)	0.773	34.70	0.00	34.70	0.268	0.000	0.268	0.243	0.025	7.430	401	3.20	11.4	40.0	1.136	860	1242	MIS	1966
WAUCHOPE	ALIDA-TILSTON	3.466	31.00	0.00	31.00	1.075	0.000	1.075	0.636	0.438	94.237	502	6.60	19.6	40.0	1.124	852	1140	MIS	1980
WAUCHOPE CENTRAL	TILSTON	0.299	1.40	0.00	1.40	0.004	0.000	0.004	0.004	0.000	0.000	32	8.50	20.6	40.0	1.124	845	1130	MIS	1991
WAUCHOPE NORTH	TILSTON	0.412	16.70	0.00	16.70	0.069	0.000	0.069	0.068	0.001	1.079	113	4.50	15.0	40.0	1.111	852	1083	MIS	1971
WAUCHOPE SOUTH	ALIDA	2.275	8.20	0.00	8.20	0.187	0.000	0.187	0.104	0.082	28.145	356	7.80	16.8	35.0	1.333	850	1152	MIS	1986
WAUCHOPE WEST	ALIDA	2.747	3.35	0.00	3.35	0.092	0.000	0.092	0.070	0.022	5.368	259	15.00	14.5	35.0	1.333	845	1163	MIS	1964
WEIR HILL	FROBISHER	4.206	9.20	0.00	9.20	0.387	0.000	0.387	0.237	0.150	45.029	631	14.70	9.3	35.0	1.333	871	1353	MIS	1968
WELWYN	BAKKEN SAND	1.271	3.40	0.00	3.40	0.043	0.000	0.043	0.041	0.002	0.965	550	3.00	15.8	35.0	1.333	886	723	MIS	1985
WELWYN SOUTH	BAKKEN SAND	0.075	20.00	0.00	20.00	0.015	0.000	0.015	0.008	0.007	2.227	32	3.20	15.0	35.0	1.333	841	735	MIS	1989
WEYBURN	FROBISHER	3.078	6.50	0.00	6.50	0.200	0.000	0.200	0.159	0.041	10.587	615	11.60	9.7	50.0	1.124	876	1417	MIS	1954
	MIDALE (NON-UNIT)	35.454	4.80	0.00	4.80	1.702	0.000	1.702	1.137	0.565	94.485	3853	10.20	15.6	35.0	1.124	877	1377	MIS	1954
	MIDALE (VOLUNTARY UNIT NO. 10)	2.518	14.80	3.50	18.30	0.373	0.088	0.461	0.197	0.264	17.589	195	8.00	28.0	36.0	1.110	880	1405	MIS	1954
	MIDALE (VOLUNTARY UNIT NO. 2)	0.293	12.80	10.50	23.30	0.038	0.031	0.068	0.034	0.035	2.088	129	3.60	12.8	44.0	1.135	880	1405	MIS	1954
	MIDALE (VOLUNTARY UNIT NO. 3)	0.320	8.60	4.50	13.10	0.028	0.014	0.042	0.032	0.010	1.035	65	4.70	18.0	33.0	1.150	880	1405	MIS	1954
	MIDALE (VOLUNTARY UNIT NO. 4)	2.494	3.00	0.50	3.50	0.075	0.012	0.087	0.085	0.002	1.907	1100	4.90	10.4	50.0	1.124	880	1405	MIS	1954
	MIDALE (VOLUNTARY UNIT NO. 5)	1.912	8.30	14.50	22.80	0.159	0.277	0.436	0.299	0.137	16.156	356	6.60	15.6	40.0	1.150	880	1405	MIS	1954
	MIDALE (VOLUNTARY UNIT NO. 6)	1.435	6.10	0.50	6.60	0.088	0.007	0.095	0.085	0.010	1.985	259	6.56	14.6	35.0	1.124	880	1405	MIS	1954
	MIDALE (VOLUNTARY UNIT NO. 7)	2.283	9.10	2.80	11.90	0.208	0.064	0.272	0.216	0.056	7.447	1004	3.60	12.8	44.0	1.135	880	1405	MIS	1954
	MIDALE (VOLUNTARY UNIT NO. 8)	0.645	4.50	1.50	6.00	0.029	0.010	0.039	0.036	0.003	0.783	162	5.30	13.0	35.0	1.124	880	1405	MIS	1954
WHITE BEAR	TILSTON	5.078	35.40	0.00	35.40	1.798	0.000	1.798	1.478	0.319	50.535	583	12.80	12.6	40.0	1.111	862	1060	MIS	1957
	TILSTON-SOURIS VALLEY	1.231	18.30	0.00	18.30	0.225	0.000	0.225	0.213	0.012	6.945	388	7.63	7.7	40.0	1.111	853	1189	MIS	1963
WILDWOOD	ALIDA	1.253	16.10	0.00	16.10	0.202	0.000	0.202	0.171	0.030	4.203	210	8.50	14.4	35.0	1.333	852	1184	MIS	1966

OIL RESERVES DATA

POOL	HORIZON	INITIAL OIL IN PLACE	ESTIMATED RECOVERY PRIM.	ENHAN.	TOTAL	INITIAL RESERVES PRIM.	ENHAN.	TOTAL	TOTAL PROD. 12/31/98	REMAINING RESERVES	1998 PROD.	DEV. AREA	NET PAY	AVE. POR.	AVE. CONN. WATER	FORM. VOLUME FACTOR	OIL DENSITY	PROD. DEPTH	SYSTEM	DISC. YEAR
		1000000 m3	%			1000000 m3					1000 m3	ha	m	%			KG/m3	m		
WILLMAR	FROBISHER-ALIDA (KISBEY SD VOL UNIT)	0.255	50.05	0.00	50.05	0.128	0.000	0.128	0.127	0.000	0.211	81	3.41	20.0	40.0	1.299	843	1249	MIS	1957
	FROBISHER-ALIDA (N CENTRAL VOL UNIT)	1.216	16.00	8.85	24.85	0.195	0.108	0.302	0.262	0.040	7.000	324	6.25	11.0	30.0	1.282	843	1249	MIS	1957
	FROBISHER-ALIDA (N DALES UNIT NO. 1)	1.151	38.00	14.80	52.80	0.437	0.170	0.608	0.569	0.038	8.186	388	5.91	9.9	35.0	1.282	865	1249	MIS	1957
	FROBISHER-ALIDA (NON-UNIT)	21.125	19.20	2.00	21.20	4.056	0.422	4.478	3.355	1.124	113.555	2979	11.10	11.7	30.0	1.282	861	1249	MIS	1957
	FROBISHER-ALIDA (VOL UNIT NO. 1)	4.857	18.00	26.25	44.25	0.874	1.275	2.149	1.966	0.184	19.548	1084	6.10	12.9	27.0	1.282	843	1249	MIS	1957
WILLMAR NORTH	FROBISHER-ALIDA (NON-UNIT)	0.129	9.40	0.00	9.40	0.012	0.000	0.012	0.010	0.002	0.431	48	5.10	9.0	35.0	1.111	843	1205	MIS	1971
	FROBISHER-ALIDA (VOL UNIT NO. 1)	0.468	13.66	16.80	30.46	0.064	0.079	0.142	0.072	0.070	10.228	233	2.44	12.8	28.6	1.111	843	1205	MIS	1971
WILLMAR WEST	FROBISHER	1.236	7.60	0.00	7.60	0.094	0.000	0.094	0.092	0.002	2.412	566	4.00	10.0	30.0	1.282	854	1260	MIS	1991
WINMORE	FROBISHER	0.558	9.20	0.00	9.20	0.051	0.000	0.051	0.048	0.004	1.330	259	4.70	9.7	45.0	1.163	869	1140	MIS	1968
WORDSWORTH	FROBISHER-ALIDA	9.545	7.70	0.00	7.70	0.735	0.000	0.735	0.666	0.069	11.666	1425	10.70	10.7	25.0	1.282	853	1257	MIS	1962
WORDSWORTH EAST	FROBISHER	1.738	2.20	0.00	2.20	0.038	0.000	0.038	0.024	0.014	2.735	291	8.30	12.3	25.0	1.282	853	1205	MIS	1980
WORDSWORTH NORTH	FROBISHER-ALIDA	0.426	36.50	0.00	36.50	0.155	0.000	0.155	0.082	0.073	12.309	165	3.53	12.5	35.0	1.111	849	1206	MIS	1994
WORKMAN	FROBISHER (NON-UNIT)	8.624	14.85	0.00	14.85	1.281	0.000	1.281	1.138	0.143	28.231	1506	11.00	10.7	42.1	1.190	861	1237	MIS	1959
	FROBISHER (VOLUNTARY UNIT NO. 1)	5.025	16.70	20.95	37.65	0.839	1.053	1.892	1.852	0.040	9.563	1748	4.51	13.1	42.1	1.190	844	1237	MIS	1959
	FROBISHER (VOLUNTARY UNIT NO. 2)	1.801	11.20	3.80	15.00	0.202	0.068	0.270	0.210	0.060	9.572	486	5.20	14.5	41.5	1.190	844	1237	MIS	1959
	FROBISHER (VOLUNTARY UNIT NO. 3)	1.235	33.70	0.00	33.70	0.416	0.000	0.416	0.369	0.047	7.213	943	3.10	11.1	54.7	1.190	844	1237	MIS	1961
	MIDALE (NON-UNIT)	2.117	7.35	0.00	7.35	0.156	0.000	0.156	0.150	0.005	1.482	567	7.06	10.3	35.0	1.266	844	1230	MIS	1960
	MIDALE (VOLUNTARY UNIT NO. 1)	1.041	17.80	8.20	26.00	0.185	0.085	0.271	0.261	0.009	1.224	671	1.92	14.8	35.0	1.190	838	1230	MIS	1960
	MIDALE (VOLUNTARY UNIT NO. 2)	0.841	10.60	12.20	22.80	0.089	0.103	0.192	0.177	0.015	1.930	356	3.14	15.7	39.3	1.266	838	1230	MIS	1960
WORKMAN SOUTH	FROBISHER	1.522	10.80	0.00	10.80	0.164	0.000	0.164	0.145	0.020	8.980	291	8.30	9.4	25.0	1.119	866	1282	MIS	1980
	TOTAL AREA 4L	**979.743**				**152.006**	**42.632**	**194.639**	**159.889**	**34.544**	**5,393.133**									
AREA 4M																				
MISCELLANEOUS	ALIDA	2.456	11.30	0.00	11.30	0.278	0.000	0.278	0.100	0.178	39.182	615	6.50	12.6	35.0	1.333			MIS	
	BIRDBEAR	1.517	7.80	0.00	7.80	0.118	0.000	0.118	0.042	0.076	9.789	405	4.70	12.5	25.0	1.176			DEV	
	FROBISHER	8.233	5.89	0.00	5.89	0.485	0.000	0.485	0.248	0.237	36.728	2315	7.20	10.3	46.1	1.124			MIS	
	FROBISHER-ALIDA	0.812	2.97	0.00	2.97	0.024	0.000	0.024	0.013	0.011	2.954	291	4.30	13.3	35.0	1.333			MIS	
	JURASSIC	0.178	4.50	0.00	4.50	0.008	0.000	0.008	0.008	0.000	0.000	16	6.70	24.0	30.0	1.010			JUR	
	KISBEY	0.098	11.40	0.00	11.40	0.011	0.000	0.011	0.003	0.008	2.220	32	2.50	22.0	35.0	1.163			MIS	
	MANNVILLE SAND	0.095	0.25	0.00	0.25	0.000	0.000	0.000	0.000	0.000	0.024	16	2.50	32.0	25.0	1.010			CRE	
	MIDALE	20.587	2.79	0.00	2.79	0.574	0.000	0.574	0.401	0.174	39.126	2493	10.00	15.6	40.5	1.124			MIS	
	RATCLIFFE	2.104	6.75	0.00	6.75	0.142	0.000	0.142	0.089	0.053	5.553	470	6.80	13.5	35.0	1.333			MIS	
	RED JACKET SAND	1.066	0.78	0.00	0.78	0.008	0.000	0.008	0.007	0.002	0.889	97	8.50	27.0	35.0	1.333			JUR	
	SHAUNAVON	0.428	0.83	0.00	0.83	0.004	0.000	0.004	0.002	0.002	0.749	32	6.00	30.0	25.0	1.010			JUR	
	TILSTON	25.946	4.67	0.00	4.67	1.212	0.000	1.212	0.349	0.863	170.064	3287	8.70	16.8	40.0	1.111			MIS	
	WAPELLA SAND	0.083	6.00	0.00	6.00	0.005	0.000	0.005	0.005	0.000	0.000	16	2.50	28.0	25.0	1.010			CRE-JUR	
BENDER	TILSTON (NON-UNIT)	0.033	4.40	0.00	4.40	0.001	0.000	0.001	0.001	0.000	0.000	64	0.80	12.0	40.0	1.110	884	1207	MIS	1990
	TILSTON (VOLUNTARY UNIT NO. 1)	0.252	3.77	0.00	3.77	0.009	0.000	0.009	0.009	0.001	0.078	97	4.00	12.0	40.0	1.110	884	1207	MIS	1990
BENDER CENTRAL	TILSTON	2.503	10.70	0.00	10.70	0.268	0.000	0.268	0.140	0.128	24.025	405	9.70	11.8	40.0	1.111	886	1200	MIS	1991

OIL RESERVES DATA

POOL	HORIZON	INITIAL OIL IN PLACE	ESTIMATED RECOVERY PRIM.	ENHAN.	TOTAL	INITIAL RESERVES PRIM.	ENHAN.	TOTAL	TOTAL PROD. 12/31/98	REMAINING RESERVES	1998 PROD.	DEV. AREA	NET PAY	AVE. POR.	AVE. CONN. WATER	FORM. VOLUME FACTOR	OIL DENSITY	PROD. DEPTH	SYSTEM	DISC. YEAR
		1000000 m3	%			1000000 m3					1000 m3	ha	m	%			KG/m3	m		
BENDER SOUTH	TILSTON	0.463	8.90	0.00	8.90	0.041	0.000	0.041	0.029	0.012	3.548	65	10.90	12.1	40.0	1.111	866	1207	MIS	1991
BENSON	MIDALE (NON-UNIT)	4.533	7.20	0.00	7.20	0.326	0.000	0.326	0.237	0.089	8.953	1004	5.80	12.5	30.0	1.124	886	1371	MIS	1956
	MIDALE (NORTHWEST VOLUNTARY UNIT)	0.513	6.00	3.07	9.07	0.031	0.016	0.047	0.045	0.002	0.751	243	2.26	15.0	30.0	1.124	875	1371	MIS	1956
	MIDALE (UNIT)	8.079	6.00	24.57	30.57	0.485	1.985	2.470	2.006	0.464	31.984	2978	1.80	24.2	30.0	1.124	875	1371	MIS	1956
	MIDALE (VOLUNTARY UNIT NO. 1)	2.477	9.80	32.50	42.30	0.243	0.805	1.048	0.629	0.419	31.602	1117	2.77	15.0	40.0	1.124	875	1371	MIS	1956
	MIDALE (VOLUNTARY UNIT NO. 2)	0.818	9.10	31.20	40.30	0.056	0.193	0.249	0.112	0.137	7.977	227	1.60	27.3	30.0	1.124	875	1371	MIS	1956
	MIDALE (VOLUNTARY UNIT NO. 3)	0.545	22.00	23.70	45.70	0.120	0.129	0.249	0.137	0.112	10.619	175	2.00	25.0	30.0	1.124	875	1371	MIS	1956
	MIDALE (VOLUNTARY UNIT NO. 4)	0.629	16.82	0.94	17.76	0.106	0.006	0.112	0.098	0.014	1.829	227	5.00	8.9	30.0	1.124	875	1371	MIS	1956
BENSON EAST	MIDALE	0.934	1.90	7.85	9.75	0.018	0.073	0.091	0.069	0.022	3.627	291	1.70	27.2	22.0	1.124	875	1375	MIS	1983
BIG MARSH LAKE	TILSTON	1.977	18.00	0.00	18.00	0.356	0.000	0.356	0.215	0.141	34.659	453	4.00	20.0	40.0	1.100	862	1245	MIS	1994
BROMHEAD	MIDALE	2.472	14.70	0.00	14.70	0.363	0.000	0.363	0.320	0.043	4.216	615	5.00	13.9	35.0	1.124	903	1693	MIS	1965
BRYANT	FROBISHER	0.441	11.13	0.00	11.13	0.049	0.000	0.049	0.043	0.006	1.649	256	4.30	8.9	50.0	1.112	895	1433	MIS	1979
	MIDALE	2.841	5.35	2.22	7.57	0.152	0.063	0.215	0.197	0.018	6.259	1133	1.93	25.2	42.0	1.125	904	1408	MIS	1979
COLGATE	MIDALE	2.145	25.00	0.00	25.00	0.536	0.000	0.536	0.509	0.027	10.510	146	12.20	18.7	30.0	1.087	851	1516	MIS	1983
COOTHILL	RED JACKET SAND	1.872	16.80	0.00	16.80	0.315	0.000	0.315	0.139	0.175	32.388	130	10.80	21.4	37.5	1.003	944	729	JUR	1985
CREELMAN	ALIDA	1.959	23.50	0.00	23.50	0.460	0.000	0.460	0.310	0.150	45.739	470	5.70	13.7	40.0	1.124	911	1200	MIS	1966
DAHINDA	MADISON	0.300	0.00	0.00	0.00	0.000	0.000	0.000	0.001	0.000	0.009	32	18.50	9.0	25.0	1.333	956	1410	MIS	1993
ELCOTT EAST	MIDALE	1.352	7.60	0.00	7.60	0.103	0.000	0.103	0.047	0.055	18.234	324	5.90	14.5	35.0	1.333	832	1480	MIS	1994
ELSWICK	MIDALE (NON-UNIT)	6.602	25.00	10.30	35.30	1.650	0.680	2.330	0.911	1.419	94.380	1700	5.30	19.7	54.4	1.226	870	1515	MIS	1984
	MIDALE (VOLUNTARY UNIT NO. 1)	0.306	18.50	3.16	21.66	0.057	0.010	0.066	0.054	0.012	1.442	130	5.50	9.0	41.7	1.226	870	1515	MIS	1984
ELSWICK EAST	MIDALE (VOLUNTARY UNIT NO. 2)	3.564	16.00	11.70	27.70	0.570	0.417	0.987	0.452	0.535	48.098	551	5.62	25.1	44.7	1.206	870	1527	MIS	1965
ELSWICK SOUTH	MIDALE (NON-UNIT)	0.781	2.16	0.00	2.16	0.016	0.000	0.016	0.013	0.004	0.704	65	10.00	25.2	44.0	1.206	870	1588	MIS	1977
FLAT LAKE	RATCLIFFE (NON-UNIT)	0.192	21.90	0.00	21.90	0.042	0.000	0.042	0.024	0.018	1.472	65	8.60	8.1	49.2	1.199	867	1956	MIS	1965
FREESTONE	FROBISHER-ALIDA	3.948	24.50	0.00	24.50	0.967	0.000	0.967	0.752	0.215	34.595	1004	6.40	12.6	35.0	1.333	879	1180	MIS	1953
FREMANTLE	LOWER WATROUS	0.071	32.50	0.00	32.50	0.023	0.000	0.023	0.020	0.003	0.518	32	2.10	18.7	25.0	1.333	879	1190	TRI	1971
GRIFFIN	FROBISHER	0.400	73.90	0.00	73.90	0.295	0.000	0.295	0.187	0.108	39.775	324	3.20	6.9	35.0	1.163	885	1302	MIS	1958
GRIFFIN NORTH	FROBISHER	0.917	17.80	0.00	17.80	0.163	0.000	0.163	0.155	0.009	2.378	291	6.78	8.0	35.0	1.124	904	1273	MIS	1968
HANDSWORTH	ALIDA	10.982	25.60	0.00	25.60	2.811	0.000	2.811	1.482	1.329	143.813	2526	7.89	11.3	35.0	1.333	886	1204	MIS	1964
HARTAVEN	FROBISHER-ALIDA	1.351	37.20	0.00	37.20	0.502	0.000	0.502	0.291	0.212	45.502	324	5.70	13.7	40.0	1.124	876	1199	MIS	1965
HAZELWOOD CENTRAL	TILSTON	4.050	11.80	0.00	11.80	0.478	0.000	0.478	0.328	0.150	49.393	712	7.47	14.1	40.0	1.111	848	1149	MIS	1963
HAZELWOOD SOUTH	TILSTON	8.665	13.20	0.00	13.20	1.144	0.000	1.144	0.684	0.460	117.318	971	10.80	15.3	40.0	1.111	870	1210	MIS	1993
HAZELWOOD WEST	TILSTON	0.506	10.70	0.00	10.70	0.059	0.000	0.059	0.038	0.021	4.064	97	9.07	11.7	40.0	1.111	870	1210	MIS	1957
HEWARD	FROBISHER	4.182	9.65	0.00	9.65	0.404	0.000	0.404	0.253	0.151	32.087	842	7.04	13.0	39.0	1.124	878	1226	MIS	1986
HEWARD SOUTH	FROBISHER	1.412	3.28	0.00	3.28	0.046	0.000	0.046	0.030	0.016	3.992	421	7.58	7.7	35.0	1.124	887	1245	MIS	1965
HOFFER	RATCLIFFE	0.447	60.30	0.00	60.30	0.270	0.000	0.270	0.267	0.003	0.942	97	6.20	14.3	35.0	1.250	869	1935	MIS	1984
HUME	MIDALE	0.667	9.63	0.00	9.63	0.064	0.000	0.064	0.064	0.001	0.686	324	4.00	8.9	35.0	1.124	869	1332	MIS	1968
HUNTOON	FROBISHER	9.014	7.89	0.00	7.89	0.711	0.000	0.711	0.657	0.054	16.099	1732	9.00	10.0	35.0	1.124	892	1372	MIS	1957
	MIDALE (NON-UNIT)	2.917	5.36	0.00	5.36	0.157	0.000	0.157	0.147	0.010	3.940	1101	5.52	6.3	35.0	1.124	890	1371	MIS	1957
	MIDALE (VOLUNTARY UNIT NO. 1)	4.443	5.00	4.23	9.23	0.222	0.188	0.410	0.356	0.054	4.611	1230	3.47	18.0	35.0	1.124	874	1369	MIS	1957
	MIDALE (VOLUNTARY UNIT NO. 2)	0.522	2.07	1.20	3.27	0.011	0.006	0.017	0.017	0.000	0.298	162	5.70	12.7	50.0	1.124	875	1371	MIS	1957

OIL RESERVES DATA

POOL	HORIZON	INITIAL OIL IN PLACE	ESTIMATED RECOVERY PRIM.	ENHAN.	TOTAL	INITIAL RESERVES PRIM.	ENHAN.	TOTAL	TOTAL PROD. 12/31/98	REMAINING RESERVES	1998 PROD.	DEV. AREA	NET PAY	AVE. POR.	AVE. CONN. WATER	FORM. VOLUME FACTOR	OIL DENSITY	PROD. DEPTH	SYSTEM	DISC. YEAR
		1000000 m3		%				1000000 m3			1000 m3	ha	m		%		KG/m3	m		
INGOLDSBY	FROBISHER-ALIDA	5 400	24 14	0 00	24 14	1 303	0 000	1 303	1 247	0 057	24 471	793	10 50	10 7	30 0	1 155	876	1089	MIS	1955
INNES	FROBISHER	11 764	29 40	0 00	29 40	3 459	0 000	3 459	2 713	0 746	113 935	2364	10 60	8 4	35 0	1 163	891	1333	MIS	1965
LAKE ALMA	RATCLIFFE (VOLUNTARY UNIT)	2 379	17 00	24 70	41 70	0 404	0 588	0 992	0 862	0 130	11 739	437	4 24	23 5	40 0	1 098	874	1981	MIS	1965
LOST HORSE HILL	FROBISHER-ALIDA (NON-UNIT)	11 502	23 20	0 00	23 20	2 668	0 000	2 668	1 642	1 026	112 430	1506	10 14	14 1	40 0	1 124	897	1174	MIS	1963
	FROBISHER-ALIDA (VOL UNIT NO 1)	9 649	29 50	0 00	29 50	2 847	0 000	2 847	2 415	0 432	53 066	583	20 95	15 7	45 0	1 093	848	1174	MIS	1963
LOUGHEED	MIDALE (NON-UNIT)	18 729	10 10	0 00	10 10	1 892	0 000	1 892	1 192	0 699	86 555	1603	10 23	19 8	35 0	1 124	873	1407	MIS	1959
	MIDALE (VOLUNTARY UNIT NO 1)	13 912	10 06	2 67	12 73	1 400	0 371	1 771	0 957	0 814	87 726	1485	8 10	20 0	35 0	1 124	873	1407	MIS	1959
MACOUN	MIDALE (NON-UNIT)	0 726	39 50	0 00	39 50	0 287	0 000	0 287	0 258	0 029	3 955	324	3 62	11 1	35 0	1 163	895	153:	MIS	1969
	MIDALE (VOLUNTARY UNIT NO 1)	0 862	16 50	2 94	19 44	0 142	0 025	0 167	0 142	0 026	3 828	194	6 97	11 4	35 0	1 163	895	1531	MIS	1969
MACOUN SOUTH	MIDALE	0 267	30 50	0 00	30 50	0 082	0 000	0 082	0 060	0 022	8 090	97	5 30	11 0	45 0	1 163	895	1550	MIS	1991
MACOUN WEST	MIDALE	0 793	10 20	0 00	10 20	0 081	0 000	0 081	0 076	0 005	1 328	259	7 44	8 7	45 0	1 163	866	1559	MIS	1970
MELROSE	FROBISHER-ALIDA	1 317	21 40	0 00	21 40	0 282	0 000	0 282	0 245	0 036	12 847	227	7 61	15 6	45 0	1 124	878	1169	MIS	1963
MIDALE	CENTRAL FROBISHER	6 623	18 00	0 00	18 00	1 192	0 000	1 192	1 011	0 181	24 165	1943	7 90	9 7	50 0	1 124	881	1411	MIS	1953
	CENTRAL MIDALE (NON-UNIT)	17 339	9 22	0 00	9 22	1 599	0 000	1 599	1 377	0 222	36 504	4253	4 00	17 9	36 0	1 124	883	1402	MIS	1953
	CENTRAL MIDALE (S VOL UNIT NO 1)	1 391	4 40	4 75	9 15	0 061	0 066	0 127	0 089	0 038	3 599	259	7 03	14 7	41 6	1 124	883	1340	MIS	1953
	CENTRAL MIDALE (S VOL UNIT NO 2)	2 351	14 20	7 87	22 07	0 334	0 185	0 519	0 355	0 164	11 449	324	5 50	22 1	32 9	1 124	883	1340	MIS	1953
	CENTRAL MIDALE (UNIT)	81 734	12 00	15 20	27 20	9 808	12 424	22 232	18 474	3 758	299 885	12335	7 54	16 3	39 4	1 124	877	1402	MIS	1953
MINARD	MIDALE	1 100	3 09	0 00	3 09	0 034	0 000	0 034	0 030	0 004	1 805	324	2 93	26 0	45 0	1 234	905	1340	MIS	1956
MISCELLANEOUS	MADISON	0 159	25 00	0 00	25 00	0 040	0 000	0 040	0 001	0 039	1 172	32	16 00	4 0	20 0	1 031	0	0	MIS	
MOOSE VALLEY	TILSTON	8 382	13 50	0 00	13 50	1 132	0 000	1 132	0 754	0 378	58 823	1101	11 10	12 7	40 0	1 111	909	1163	MIS	1958
MOOSE VALLEY SOUTH	TILSTON	1 368	6 20	0 00	6 20	0 085	0 000	0 085	0 056	0 029	8 890	130	12 10	16 1	40 0	1 111	909	1204	MIS	1992
MOOSOMIN	RED JACKET SAND	1 610	9 60	0 00	9 60	0 155	0 000	0 155	0 096	0 058	11 037	97	7 68	29 1	25 0	1 010	928	596	JUR	1984
NEPTUNE	RATCLIFFE	3 730	19 20	0 00	19 20	0 716	0 000	0 716	0 458	0 259	15 428	971	4 85	16 0	45 0	1 111	910	1764	MIS	1967
NEPTUNE NORTH	MIDALE	12 009	2 40	0 00	2 40	0 288	0 000	0 288	0 102	0 186	24 297	567	20 00	17 7	35 0	1 087	920	1514	MIS	1983
NORTH HANDSWORTH	ALIDA (NON-UNIT)	3 068	18 70	0 00	18 70	0 574	0 000	0 574	0 495	0 079	24 089	939	6 70	10 0	35 0	1 333	885	1176	MIS	1965
	ALIDA (VOLUNTARY UNIT NO 1)	0 238	13 08	0 00	13 08	0 031	0 000	0 031	0 031	0 001	0 351	65	7 50	10 0	35 0	1 333	885	1176	MIS	1965
RED JACKET	GRAVELBOURG	0 221	6 12	0 00	6 12	0 014	0 000	0 014	0 013	0 001	0 283	32	3 60	31 0	38 0	1 003	930	735	JUR	1985
	RED JACKET SAND	4 898	18 00	4 60	22 60	0 882	0 235	1 117	0 585	0 532	77 643	405	6 75	28 8	37 5	1 003	948	665	JUR	1984
RED JACKET SOUTH	RED JACKET SAND	1 218	2 90	0 00	2 90	0 035	0 000	0 035	0 023	0 012	2 568	65	10 50	28 0	35 0	1 020	954	700	JUR	1990
SILVERTON EAST	FROBISHER	0 659	25 00	16 40	41 40	0 165	0 108	0 273	0 121	0 152	14 391	238	6 00	8 0	35 0	1 127	854	1135	MIS	1994
SKINNER LAKE	RATCLIFFE	2 338	9 30	0 00	9 30	0 217	0 000	0 217	0 144	0 073	7 021	615	4 29	17 9	45 0	1 111	893	1723	MIS	1969
STOUGHTON	FROBISHER-ALIDA	1 113	48 30	0 00	48 30	0 538	0 000	0 538	0 436	0 102	15 337	473	4 30	9 8	35 0	1 164	882	1268	MIS	1960
STOUGHTON NORTH	FROBISHER	0 901	5 00	0 00	5 00	0 045	0 000	0 045	0 040	0 005	2 802	194	12 00	6 9	35 0	1 162	874	1245	MIS	1985
STOUGHTON SOUTH	FROBISHER	2 098	14 20	0 00	14 20	0 298	0 000	0 298	0 227	0 071	43 484	712	8 20	7 6	45 0	1 163	892	1265	MIS	1974
TATAGWA	MIDALE	3 671	17 90	0 00	17 90	0 657	0 000	0 657	0 472	0 185	28 007	567	7 10	16 8	41 0	1 087	904	1478	MIS	1977
TATAGWA CENTRAL	MIDALE	17 759	4 26	0 00	4 26	0 757	0 000	0 757	0 576	0 181	34 636	1085	16 68	16 4	35 0	1 087	904	1478	MIS	1977
TATAGWA NORTH	MIDALE	41 952	1 90	0 01	1 91	0 797	0 005	0 802	0 535	0 267	58 521	2396	14 90	16 5	27 0	1 025	900	1470	MIS	1983
TATAGWA WEST	MIDALE	14 234	3 10	0 00	3 10	0 441	0 000	0 441	0 223	0 218	37 733	696	22 50	15 2	35 0	1 087	924	1487	MIS	1978
UNION JACK	MIDALE	1 986	1 20	0 00	1 20	0 024	0 000	0 024	0 021	0 003	1 893	227	11 30	13 4	35 0	1 124	880	1306	MIS	1990
VIEW HILL	MIDALE	0 629	29 60	0 00	29 60	0 186	0 000	0 186	0 179	0 007	1 161	227	5 61	11 1	50 0	1 124	885	1539	MIS	1959

OIL RESERVES DATA

POOL	HORIZON	INITIAL OIL IN PLACE	ESTIMATED RECOVERY PRIM.	ENHAN.	TOTAL	INITIAL RESERVES PRIM.	ENHAN.	TOTAL	TOTAL PROD. 12/31/98	REMAINING RESERVES	1998 PROD.	DEV. AREA	NET PAY	AVE. POR.	AVE. CONN. WATER	FORM. VOLUME FACTOR	OIL DENSITY	PROD. DEPTH	SYSTEM	DISC. YEAR
		1000000 m3	%			1000000 m3					1000 m3	ha	m	%			KG/m3	m		
VIEWFIELD	FROBISHER (NON-UNIT)	2.996	10.00	0.00	10.00	0.300	0.000	0.300	0.273	0.026	9.582	551	10.00	10.7	35.0	1.279	872	1270	MIS	1969
	FROBISHER (VOLUNTARY UNIT NO. 2)	1.171	7.75	0.00	7.75	0.091	0.000	0.091	0.086	0.005	2.805	256	6.00	15.0	35.0	1.279	872	1270	MIS	1969
WAPELLA	MANNVILLE SAND	8.532	3.73	0.00	3.73	0.318	0.000	0.318	0.163	0.155	58.785	324	11.90	29.8	25.0	1.010	912	630	CRE	1983
	RED JACKET SAND	0.403	37.30	0.00	37.30	0.150	0.000	0.150	0.124	0.027	3.561	32	7.15	24.7	28.0	1.010	912	680	JUR	1954
	WAPELLA SAND	17.642	24.66	0.00	24.66	4.350	0.000	4.350	2.904	1.447	252.412	1554	5.85	28.0	30.0	1.010	906	701	CRE-JUR	1952
WEIR HILL	FROBISHER	0.737	10.00	0.00	10.00	0.074	0.000	0.074	0.063	0.011	2.225	81	24.83	7.5	35.0	1.333	871	1353	MIS	1968
WELWYN	RED JACKET SAND	0.181	14.50	0.00	14.50	0.026	0.000	0.026	0.011	0.016	1.799	32	3.00	30.0	30.0	1.111	946	600	JUR	1990
WEST INNES	FROBISHER	1.002	22.70	0.00	22.70	0.227	0.000	0.227	0.221	0.007	5.203	291	8.80	7.0	35.0	1.163	893	1335	MIS	1985
WEST KINGSFORD	MIDALE (CULLEN UNIT)	0.882	55.40	0.00	55.40	0.488	0.000	0.488	0.465	0.023	2.641	291	5.36	10.4	35.0	1.196	895	1485	MIS	1955
	MIDALE (NON-UNIT)	3.232	23.60	0.00	23.60	0.763	0.000	0.763	0.685	0.077	22.732	939	5.50	11.6	35.0	1.205	882	1485	MIS	1955
WEYBURN	FROBISHER	9.128	7.20	0.00	7.20	0.657	0.000	0.657	0.577	0.080	14.790	1781	10.10	9.2	38.0	1.124	876	1417	MIS	1954
	MIDALE (NON-UNIT)	38.649	8.14	0.25	8.39	3.162	0.067	3.259	2.148	1.111	153.253	5731	6.42	17.2	31.0	1.124	877	1405	MIS	1954
	MIDALE (UNIT)	176.185	15.50	20.60	36.10	27.309	36.294	63.603	53.675	9.927	1218.461	21529	7.83	17.2	31.7	1.124	880	1399	MIS	1954
	MIDALE (VOLUNTARY UNIT NO. 9)	0.225	12.40	3.50	15.90	0.028	0.008	0.036	0.031	0.004	1.011	130	5.40	10.3	65.1	1.124	880	1405	MIS	1954
	TOTAL AREA 4M	**739.773**				**91.466**	**54.977**	**146.443**	**113.901**	**32.543**	**4,350.015**									
	PROVINCIAL TOTAL	**4,709.961**				**456.169**	**246.613**	**702.781**	**526.545**	**176.035**	**23,144.734**									

RESERVOIR DATA

RESERVES AND

PRODUCTION — GAS

FIVE YEAR GAS SUMMARY

	1994	1995	1996	1997	1998
INITIAL ESTABLISHED RESERVES (Million Cubic Metres)					
Non-Associated	159 117.0	162 235.6	164 954.5	167 666.2	171 545.0
Associated	1 770.7	1 756.8	1 825.3	2 010.7	2 051.7
Dissolved	11 882.2	13 124.0	13 204.3	14 912.6	15 122.4
PROVINCIAL TOTAL	172 769.9	177 116.4	179 984.1	184 589.5	188 719.2
REMAINING ESTABLISHED RESERVES (Million Cubic Metres)					
Non-Associated	82 259.2	77 695.6	73 597.7	69 828.8	67 525.9
Associated	911.6	891.1	940.5	1 000.9	1 005.1
Dissolved	3 577.0	4 386.6	4 005.5	5 150.9	4 696.0
PROVINCIAL TOTAL	86 747.8	82 973.3	78 543.7	75 980.6	73 227.0
YEARLY PRODUCTION (Million Cubic Metres)					
Non-Associated	7 510.1	7 638.4	6 863.3	6 470.6	6 204.6
Associated	0.7	6.6	19.0	51.1	36.7
Dissolved	393.8	432.2	461.3	562.8	664.8
PROVINCIAL TOTAL	7 904.6	8 077.2	7 343.6	7 084.5	6 906.1
NUMBER OF PRODUCING WELLS					
Non-Associated	7 680	8 111	8 296	8 571	9 122
Associated	3	4	6	4	4
PROVINCIAL TOTAL	7 683	8 115	8 302	8 575	9 126
AVERAGE DAILY PRODUCTION (Million Cubic Metres Per Day)					
Non-Associated	26.298	24.729	23.089	20.742	21.131
Associated	0.003	0.026	0.079	0.199	0.183
Dissolved	1.081	1.184	1.264	1.542	1.822
PROVINCIAL TOTAL	27.382	25.939	24.432	22.483	23.136

NATURAL GAS RESERVES AND RESERVOIR DATA

POOL	PRODUCING HORIZON	INITIAL GAS IN PLACE MILLION M^3	RECOVERY FACTOR %	SURF LOSS %	INITIAL ESTABLISHED RESERVES	CUMULATIVE PRODUCTION DEC 31/88	REMAINING RESERVES DEC 31/88	HEATING VALUE MJ/M^3	1988 PRODUCTION YEARLY TOTAL	1988 PRODUCTION DAILY AVERAGE	DEVELOPED AREA HECTARES	NET PAY M	AVE. POROSITY %	WATER SAT. %	PRODUCING SPECIFIC GRAVITY	PRODUCING DEPTH M	SYSTEM	DISCOVERY YEAR
					MILLION CUBIC METRES				MILLION M^3									
NON-ASSOCIATED GAS RESERVES																		
BARTHEL	COLONY SAND	28.3	80	5	21.5	16.0	5.5	38.7	1.615	0.008	647	1.58	30.0	60.0	0.565	334	CRET	1969
BAYHURST	VIKING (VOLUNTARY UNIT)	2,067.7	80	5	1,661.5	1,661.4	0.1	37.4	0.000	0.000	6,192	3.67	25.0	35.0	0.58	661	CRET	1958
BAYHURST WEST	VIKING (VOLUNTARY UNIT)	319.7	80	5	243.0	235.8	7.2	38.6	3.243	0.015	1,333	1.62	32.0	35.0	0.58	696	CRET	1968
BEACON HILL	MANNVILLE SAND (NON-UNIT)	375.4	80	5	285.3	219.3	66.0	38.6	12.144	0.057	3,613	3.00	30.0	47.5	0.568	274	CRET	1963
	MANNVILLE SAND (VOLUNTARY UNIT)	3,936.4	80	5	2,991.7	2,513.5	478.2	38.6	133.357	0.408	17,948	4.75	35.0	40.0	0.568	274	CRET	1963
BEACON HILL SOUTH	MANNVILLE SAND	1,662.0	66	5	1,594.8	1,494.2	100.6	38.6	87.758	0.240	6,500	6.30	31.0	30.0	0.568	274	CRET	1963
BEACON HILL WEST	MANNVILLE SAND	668.1	85	5	539.5	399.3	140.2	38.9	34.680	0.096	2,490	5.00	35.0	35.0	0.573	310	CRET	1978
BEAR CREEK	MANNVILLE SAND	522.6	80	5	397.2	312.2	85.0	38.6	37.382	0.114	3,587	4.66	28.0	39.0	0.572	363	CRET	1990
BEVERLEY EAST	CANTUAR SAND (VOL UNIT NO. 1)	378.0	83	5	298.1	293.0	5.1	38.9	0.000	0.000	874	2.53	28.1	33.0	0.583	972	CRET	1965
BIGSTICK	SECOND WHITE SPECKS	21,875.2	70	5	14,547.0	6,701.9	7,845.1	38.6	237.246	0.758	101,187	2.54	20.2	38.0	0.58	692	CRET	1980
BRANCH LAKE	COLONY SAND	779.1	75	5	589.1	269.0	398.1	38.3	39.793	0.135	4,008	4.50	30.0	40.0	0.569	342	CRET	1973
BROCK	VIKING (NON-UNIT)	52.3	80	5	39.7	14.8	24.9	38.3	2.197	0.007	777	2.33	16.7	40.0	0.568	716	CRET	1951
	VIKING (UNIT)	766.2	82	5	588.1	588.2	0.9	38.3	1.783	0.010	5,696	2.19	14.5	40.0	0.568	716	CRET	1951
BROCK EAST	VIKING SAND	343.0	35	5	114.0	24.9	89.1	34.6	1.678	0.015	3,397	0.93	24.0	40.0	0.597	720	CRET	1987
BRONSON LAKE	COLONY SAND	963.0	90	5	823.4	634.7	188.7	35.9	80.117	0.188	2,849	5.23	30.0	20.0	0.574	466	CRET	1974
	WABECA SAND	70.6	75	5	50.3	19.1	31.2	38.3	0.000	0.000	503	4.21	22.5	50.0	0.57	467	CRET	1949
BURSTALL	MEDICINE HAT SAND	664.1	65	5	410.1	13.3		35.4	0.292	0.001	6,423	2.80	18.0	50.0	0.575	520	CRET	1952
	MILK RIVER	770.6	80	5	439.2	104.2	500.4	35.4	11.139	0.033	10,867	2.20	16.0	45.0	0.574	460	CRET	1952
	MILK RIVER-MEDICINE HAT	--	--	--	--	231.4		35.4	0.692	0.021	--	--	--	--	0.574	460	CRET	1952
BURSTALL NORTH	VIKING SAND	232.0	70	5	154.3	108.7	45.6	35.8	2.901	0.007	1,011	1.90	26.0	45.0	0.58	748	CRET	1973
CARRUTHERS	COLONY SAND	219.3	72	5	150.0	150.0	0.0	34.0	0.000	0.000	777	4.03	29.3	29.0	0.595	518	CRET	1980
CAVALIER	SPINNEY HILL SAND	111.6	80	5	84.8	84.8	0.0	32.4	0.000	0.000	1,616	1.30	26.0	30.0	0.62	400	CRET	1972
COLD LAKE	COLONY SAND	382.9	80	5	291.0	169.7	121.3	38.4	12.609	0.035	2,913	3.74	29.0	40.0	0.568	330	CRET	1990
COLEVILLE-BARLEY	VIKING (NON-UNIT)	196.6	88	5	128.5	47.5	79.0	38.3	0.884	0.002	516	2.44	25.5	32.0	0.608	686	CRET	1961
	VIKING (UNIT)	6,986.6	90	5	5,981.2	5,594.2	387.0	38.3	72.499	0.227	20,980	3.05	22.5	32.0	0.608	686	CRET	1961
CONBUL	SECOND WHITE SPECKS	76.2	70	5	50.7	0.0	50.7	34.6	0.000	0.000	256	3.06	23.0	40.0	0.581	860	CRET	1971
	UPPER SHAUNAVON	97.4	90	5	27.3	27.3	0.0	38.7	0.000	0.000	127	2.13	20.0	26.0	0.6	1,306	JURA	1971
CRANE LAKE	MEDICINE HAT SAND	187.4	65	5	119.7	0.5		35.4	0.124	0.001	1,425	3.00	19.0	50.0	0.575	477	CRET	1969
	MILK RIVER	5,746.7	65	5	3,546.8	1,618.1	1,836.1	35.4	204.564	0.601	26,742	6.35	16.0	45.0	0.574	442	CRET	1970
	MILK RIVER-MEDICINE HAT	--	--	--	--	9.8		35.4	8.242	0.056	--	--	--	--	0.575	442	CRET	1953
CRANE LAKE SOUTH	MEDICINE HAT SAND	34.1	65	5	21.1	0.0		35.4	0.000	0.000	259	3.00	19.0	50.0	0.575	477	CRET	1983
	MILK RIVER	1,151.8	60	5	656.5	94.1	583.0	35.4	17.905	0.067	14,763	2.08	18.0	45.0	0.574	465	CRET	1983
	MILK RIVER-MEDICINE HAT	--	--	--	--	0.5		35.4	0.464	0.006	--	--	--	--	0.574	465	CRET	1983

NATURAL GAS RESERVES AND RESERVOIR DATA

POOL	PRODUCING HORIZON	INITIAL GAS IN PLACE MILLION M^3	RECOVERY FACTOR %	SURF LOSS %	INITIAL ESTABLISHED RESERVES	CUMULATIVE PRODUCTION DEC 31/98	REMAINING RESERVES DEC 31/98	HEATING VALUE MJ/M^3	1998 PRODUCTION YEARLY TOTAL	1998 PRODUCTION DAILY AVERAGE	DEVELOPED AREA	NET PAY	AVE. POROSITY	WATER SAT.	PRODUCING SPECIFIC GRAVITY	PRODUCING DEPTH	PRODUCING SYSTEM	DISCOVERY YEAR
		..... MILLION CUBIC METRES							--- MILLION M^3 ---		HECTARES	M	%	%		M		
CRANE LAKE SOUTH	SECOND WHITE SPECKS	4,592.6	70	5	3,054.1	2,250.2	803.9	35.4	89.536	0.256	32,375	2.59	14.0	41.0	0.572	700	CRET	1983
CYPRESS	SECOND WHITE SPECKS	528.2	80	5	401.4	237.7	163.7	36.1	45.927	0.145	2,072	3.13	20.9	41.9	0.576	899	CRET	1994
DODSLAND NORTH	VIKING SAND (NON-UNIT)	1,379.4	65	5	851.8	537.4	314.4	40.7	33.681	0.103	12,691	1.50	22.4	50.0	0.621	669	CRET	1953
	VIKING SAND (UNIT)	843.0	80	5	640.7	583.4	57.3	40.7	9.667	0.031	4,452	2.01	22.4	35.0	0.621	669	CRET	1953
DRIVER	BAKKEN SAND	256.5	80	5	194.9	139.8	55.1	37.2	0.000	0.000	999	2.66	17.0	25.0	0.564	800	MISS	1985
	MANNVILLE SAND	278.3	85	5	224.7	180.0	44.7	37.1	0.000	0.000	1,222	2.27	25.0	45.0	0.578	749	CRET	1985
FLAT VALLEY	COLONY SAND	64.7	70	5	43.0	35.5	7.5	35.1	0.000	0.000	518	3.51	30.0	50.0	0.582	298	CRET	1971
	ST. WALBURG SAND	0.4	70	5	0.3	0.3	0.0	33.9	0.000	0.000	5	2.00	33.0	50.0	0.594	202	CRET	1977
FORT PITT	COLONY SAND	416.0	80	5	317.7	254.4	63.3	35.9	18.876	0.056	1,907	4.60	23.2	27.0	0.578	388	CRET	1972
FORT PITT NORTH	COLONY SAND	1,284.7	80	5	976.4	661.6	314.8	37.0	20.525	0.073	2,331	8.67	28.0	20.0	0.568	473	CRET	1971
	WASECA SAND	45.1	85	5	36.4	31.8	4.6	35.8	3.247	0.012	288	2.30	30.0	25.0	0.575	495	CRET	1988
FREEFIGHT	MILK RIVER	4,258.0	70	5	2,831.6	2,057.6	774.0	35.4	141.359	0.389	25,124	5.34	16.0	45.0	0.574	434	CRET	1970
FREEFIGHT NORTH	MILK RIVER	211.1	65	5	130.4	53.8	76.6	35.4	8.983	0.025	3,108	2.14	16.0	45.0	0.574	406	CRET	1977
FRENCHMAN BUTTE	COLONY SAND	1,135.1	85	5	916.6	635.8	280.8	35.9	27.714	0.085	2,950	8.00	27.4	37.8	0.577	424	CRET	1984
	ST. WALBURG SAND	294.8	80	5	224.0	187.8	36.2	35.2	12.309	0.035	800	6.00	32.0	37.0	0.575	351	CRET	1974
	WASECA SAND	22.3	80	5	16.9	16.9	0.0	36.3	0.000	0.000	299	1.83	27.6	50.0	0.576	466	CRET	1974
GLIDDEN	VIKING SAND	128.8	74	5	90.5	90.5	0.0	35.8	0.000	0.000	1,813	0.76	21.0	40.0	0.584	694	CRET	1953
GOLD LAKE	COLONY SAND	229.0	80	5	174.0	86.9	87.1	35.6	14.438	0.040	1,747	4.37	30.0	40.0	0.575	355	CRET	1990
GREENAN	VIKING SAND	1,400.3	35	5	465.6	402.5	63.1	35.2	6.132	0.018	6,216	1.98	24.6	35.0	0.596	655	CRET	1969
GULL LAKE	CANTAUR SAND	794.8	70	5	528.5	504.4	24.1	38.4	2.335	0.025	2,011	3.14	23.0	45.0	0.588	1,057	CRET	1957
HALLAM	COLONY SAND	29.3	80	5	22.3	17.0	5.3	36.5	3.085	0.012	145	3.50	20.0	45.0	0.569	675	CRET	1974
	WASECA SAND	114.0	85	5	92.1	72.5	19.6	36.6	1.645	0.044	518	3.50	20.0	40.0	0.579	687	CRET	1974
HATTON	MEDICINE HAT SAND (AGREEMENT AREA)	1,969.1	75	5	1,403.0	944.2	458.8	35.4	20.516	0.075	13,727	2.96	21.0	50.0	0.575	477	CRET	1953
	MEDICINE HAT SAND (NON-UNIT)	21,062.7	80	5	16,007.7	8,399.3	} 23,014.1	35.4	118.413	0.359	158,755	3.01	19.1	50.0	0.575	477	CRET	1953
	MILK RIVER	69,505.7	65	5	42,919.8	14,624.6		35.4	736.050	2.247	235,607	8.90	16.0	45.0	0.574	335	CRET	1953
	MILK RIVER-MEDICINE HAT	--	--	--	--	12,869.5		35.4	976.345	2.988	--	--	--	--	0.574	335	CRET	1953
HILLMOND	COLONY SAND	114.8	80	5	87.2	46.5	40.7	36.4	4.019	0.018	475	5.00	25.0	40.0	0.571	430	CRET	1980
	LLOYDMINSTER SAND	98.4	85	5	79.5	77.5	2.0	36.9	2.686	0.007	323	3.50	30.0	30.0	0.57	528	CRET	1980
HOOSIER	VIKING (NON-UNIT)	35.1	60	5	20.0	20.0	0.0	37.3	0.000	0.000	259	1.30	23.0	32.0	0.6	732	CRET	1953
	VIKING (UNIT)	4,643.2	65	5	2,867.2	2,775.3	91.9	37.3	45.570	0.127	12,468	3.32	23.0	32.0	0.6	732	CRET	1953
INGEBRIGT	MILK RIVER	9,627.2	75	5	7,001.9	3,682.5	3,319.4	35.4	376.443	1.221	42,994	6.85	16.0	45.0	0.574	414	CRET	1970
KINDERSLEY	VIKING SAND	434.2	65	5	268.1	261.1	7.0	38.7	3.606	0.010	2,590	2.10	18.3	40.0	0.579	687	CRET	1980
LASHBURN	MCLAREN SAND	308.1	80	5	234.2	188.2	46.0	35.8	6.387	0.019	1,239	3.05	35.0	30.0	0.596	478	CRET	1980
LIEBENTHAL	MILK RIVER	3,366.5	65	5	2,078.8	1,175.5	903.3	35.4	111.630	0.313	39,886	2.42	16.0	45.0	0.578	396	CRET	1974
LLOYDMINSTER	COLONY SAND	310.5	80	5	236.0	231.1	4.9	34.4	0.000	0.000	1,295	4.10	25.0	30.0	0.568	518	CRET	1935

NATURAL GAS RESERVES AND RESERVOIR DATA

POOL	PRODUCING HORIZON	INITIAL GAS IN PLACE MILLION M^3	RECOVERY FACTOR %	SURF LOSS %	INITIAL ESTABLISHED RESERVES	CUMULATIVE PRODUCTION DEC 31/98	REMAINING RESERVES DEC 31/98	HEATING VALUE MJ/M^3	1998 PRODUCTION YEARLY TOTAL	1998 PRODUCTION DAILY AVERAGE	DEVELOPED AREA	NET PAY	AVE. POROSITY	WATER SAT.	PRODUCING SPECIFIC GRAVITY	PRODUCING DEPTH	SYSTEM	DISCOVERY YEAR
		------- MILLION CUBIC METRES -------							--- MILLION M^3 ---		HECTARES	M	%	%		M		
LLOYDMINSTER NORTH	COLONY SAND	22.6	75	5	16.1	13.7	2.4	34.4	0.000	0.000	259	1.52	25.0	30.0	0.595	502	CRET	1952
LOON LAKE	COLONY SAND	71.5	60	5	40.8	37.9	2.9	36.0	0.000	0.000	750	3.20	29.0	50.0	0.57	282	CRET	1985
LOVERNA NORTH	BAKKEN SAND	275.2	80	5	209.2	166.3	42.9	39.3	10.315	0.029	258	9.90	20.4	37.5	0.578	831	MISS	1989
	MANNVILLE SAND	256.7	80	5	195.1	146.0	49.1	27.3	8.448	0.024	841	3.50	24.4	56.0	0.578	768	CRET	1973
LOVERNA SOUTH	BAKKEN SAND	467.7	75	5	333.2	317.0	16.2	37.4	0.000	0.000	1,613	2.08	20.2	21.0	0.58	826	MISS	1973
	VIKING SAND	333.1	85	5	269.0	257.6	11.4	37.9	9.081	0.026	2,059	2.80	22.5	53.0	0.592	689	CRET	1973
LOVERNA WEST	BAKKEN SAND	267.1	85	5	215.7	163.8	51.9	39.1	4.499	0.014	593	5.08	17.0	40.0	0.605	844	MISS	1980
LUSELAND	VIKING SAND	1,623.3	40	5	616.9	104.8	512.1	37.9	14.838	0.043	15,281	2.00	17.0	50.0	0.59	600	CRET	1973
MAKWA	MANNVILLE SAND	464.1	75	5	330.7	264.7	66.0	38.1	9.923	0.027	3,108	3.50	29.5	40.0	0.572	306	CRET	1984
MARENGO	VIKING SAND	323.7	80	5	246.0	56.5	189.5	36.3	2.956	0.019	1,410	1.88	25.0	35.0	0.576	728	CRET	1954
MERRYFLAT	SECOND WHITE SPECKS	667.0	62.5	5	526.7	227.3	299.4	36.3	28.865	0.083	3,885	3.36	20.8	50.0	0.575	1,005	CRET	1971
MILTON	VIKING SAND	1,080.1	85	5	872.2	847.1	25.1	37.3	3.992	0.012	5,051	1.74	25.0	32.0	0.604	732	CRET	1954
MONCHY	SECOND WHITE SPECKS	370.4	60	5	211.1	0.0	211.1	36.1	0.000	0.000	3,096	2.50	18.0	50.0	0.578	585	CRET	1976
MUDIE LAKE	COLONY SAND	1,259.1	80	5	956.9	615.9	341.0	38.0	69.340	0.204	6,030	4.14	28.9	35.0	0.571	389	CRET	1971
PARADISE HILL	COLONY SAND	271.8	80	5	206.6	104.7	101.9	35.7	20.765	0.076	2,134	2.70	27.0	45.0	0.579	411	CRET	1988
	WASECA SAND	69.7	80	5	53.0	51.3	1.7	36.0	8.427	0.026	388	2.65	30.0	32.5	0.575	459	CRET	1990
PECK LAKE	COLONY SAND	1,899.9	85	5	1,534.2	1,213.5	320.7	38.1	137.078	0.413	7,770	5.15	30.5	48.0	0.574	443	CRET	1969
PIERCELAND	MANNVILLE SAND	1,561.1	93	5	1,396.9	1,387.5	9.4	38.5	91.692	0.565	3,818	9.27	35.0	40.0	0.564	272	CRET	1969
PIERCELAND WEST	COLONY SAND	222.4	70	5	147.9	96.5	51.4	37.4	7.856	0.022	1,425	4.60	29.6	52.0	0.558	308	CRET	1983
PRAIRIEDALE EAST	VIKING SAND	341.9	70	5	227.4	62.4	165.0	37.3	22.336	0.091	3,108	1.80	18.0	50.0	0.6	700	CRET	1978
PRIMATE	MANNVILLE SAND	140.0	80	5	106.4	98.8	7.6	38.8	2.272	0.014	440	4.00	28.0	48.0	0.57	747	CRET	1989
PRIMROSE LAKE	MANNVILLE SAND	874.6	85	5	706.2	354.2	352.0	36.3	32.434	0.091	3,690	8.22	28.0	40.0	0.568	277	CRET	1990
PRIMROSE LAKE EAST	MANNVILLE SAND	1,089.6	85	5	879.9	541.5	338.4	36.3	85.440	0.251	5,113	8.00	30.0	30.0	0.575	277	CRET	1991
REX	LLOYDMINSTER SAND	180.3	80	5	137.0	137.0	0.0	36.1	0.383	0.013	520	4.00	30.0	30.0	0.57	521	CRET	1980
SALVADOR	MANNVILLE SAND	335.1	80	5	254.7	85.3	169.4	36.9	3.060	0.010	777	4.63	28.7	41.7	0.566	731	CRET	1980
SENATE	SECOND WHITE SPECKS	1,122.0	65	5	692.8	504.5	188.3	35.6	9.021	0.029	5,698	2.17	23.0	40.0	0.578	808	CRET	1971
SENLAC	MCLAREN SAND	145.6	80	5	110.7	84.6	26.1	36.5	22.521	0.081	777	2.00	27.0	30.0	0.577	666	CRET	1993
	SPARKY SAND	587.1	85	5	474.1	304.8	169.3	36.0	19.682	0.068	2,250	3.00	28.0	40.0	0.58	697	CRET	1967
SPRUCE LAKE	MANNVILLE SAND	2.6	65	5	1.6	1.6	0.0	36.5	0.000	0.000	32	1.68	28.0	40.0	0.571	458	CRET	1981
SPRUCE LAKE NORTH	COLONY SAND	105.0	75	5	74.8	55.0	19.8	36.0	2.850	0.008	842	3.40	27.7	35.0	0.57	427	CRET	1985
SUPERB	BAKKEN SAND (NON-UNIT)	1.8	70	5	1.2	1.2	0.0	37.1	0.000	0.000	7	2.50	19.4	30.0	0.6	798	MISS	1965
SUPERB	BAKKEN SAND (VOL UNIT NO. 1)	441.2	85	5	356.3	275.7	80.6	37.1	4.325	0.012	648	4.62	26.0	25.0	0.6	798	MISS	1965
TANGLEFLAGS	COLONY SAND	1,331.5	75	5	946.7	685.1	263.6	35.9	21.246	0.067	2,331	6.30	33.5	15.0	0.6	488	CRET	1965
	MCLAREN SAND (NON-UNIT)	873.1	85	5	705.0	535.9	169.1	35.6	18.617	0.078	1,974	5.50	32.0	25.0	0.591	475	CRET	1965
	MCLAREN SAND (VOL UNIT NO. 3)	138.7	80	5	105.4	87.6	17.8	35.6	0.000	0.000	400	4.60	30.0	25.0	0.591	475	CRET	1965

NATURAL GAS RESERVES AND RESERVOIR DATA

POOL	PRODUCING HORIZON	INITIAL GAS IN PLACE MILLION M^3	RECOVERY FACTOR %	SURF LOSS %	INITIAL ESTABLISHED RESERVES	CUMULATIVE PRODUCTION DEC 31/88	REMAINING RESERVES DEC 31/88	HEATING VALUE MJ/M^3	1988 PRODUCTION YEARLY TOTAL	1988 PRODUCTION DAILY AVERAGE	DEVELOPED AREA HECTARES	NET PAY M	AVE. POROSITY %	WATER SAT. %	PRODUCING SPECIFIC GRAVITY	PRODUCING DEPTH M	SYSTEM	DISCOVERY YEAR
					------- MILLION CUBIC METRES -------				-- MILLION M^3 --									
TANGLEFLAGS	SECOND WHITE SPECKS	212.3	85	5	171.4	116.9	54.5	36.1	5.947	0.017	1,941	1.80	32.0	40.0	0.591	286	CRET	1965
	ST WALBURG SAND	123.5	75	5	88.0	63.3	24.7	35.8	1.048	0.004	713	2.50	33.0	40.0	0.581	315	CRET	1965
TOTNES	VIKING SAND (NON-UNIT)	155.2	80	5	118.0	10.7	107.3	35.5	0.823	0.005	518	2.71	25.0	40.0	0.584	613	CRET	1969
	VIKING SAND (VOLUNTARY UNIT)	466.7	85	5	376.1	341.3	34.8	35.5	3.345	0.009	1,554	2.71	25.0	40.0	0.584	613	CRET	1969
UNITY SOUTH	SPARKY SAND	53.9	85	5	43.8	35.7	7.8	35.2	0.000	0.000	389	2.24	28.0	55.0	0.59	606	CRET	1985
	UNITY SAND	312.3	90	5	267.0	267.0	0.0	33.6	0.000	0.000	860	3.05	26.0	20.0	0.6	632	CRET	1944
	VIKING SAND	73.9	65	5	45.6	39.1	6.5	37.4	0.904	0.003	777	1.22	21.6	35.0	0.6	503	CRET	1945
VERENDRYE NORTH	VIKING SAND (VOL UNIT)	177.8	80	5	135.1	93.7	41.4	36.7	9.386	0.027	1,036	1.44	25.0	30.0	0.579	694	CRET	1972
WHEAT VALLEY	CANTUAR SAND	139.2	50	5	66.1	66.1	0.0	37.9	0.000	0.000	630	2.10	20.8	38.5	0.58	950	CRET	1973
WHELAN	MANNVILLE SAND	519.1	85	5	419.2	238.4	180.8	36.7	16.058	0.044	1,943	5.95	31.0	45.0	0.565	407	CRET	1969
	ST WALBURG SAND	123.1	85	5	99.4	75.4	24.0	38.5	4.789	0.014	1,425	1.88	30.5	45.0	0.569	321	CRET	1969
WHITESIDE	RIBSTONE CREEK SAND (VOL UNIT)	652.9	85	5	527.2	501.9	25.3	37.4	4.890	0.016	2,987	4.41	35.0	30.0	0.568	229	CRET	1962
WHITESIDE WEST	RIBSTONE CREEK SAND	114.2	75	5	81.4	81.4	0.0	36.0	0.080	0.002	1,036	3.53	33.0	25.0	0.572	248	CRET	1984
	VIKING SAND	425.7	45	5	162.0	69.7	92.3	39.1	3.790	0.013	1,942	2.22	22.8	32.0	0.578	724	CRET	1956
YONKER	COLONY SAND	49.3	85	5	39.8	31.9	7.9	35.8	2.261	0.006	259	2.30	30.0	40.0	0.6	565	CRET	1989
	MCLAREN SAND	68.7	85	5	56.5	24.9	30.6	35.9	6.076	0.023	388	2.00	28.0	30.0	0.6	575	CRET	1989
MISCELLANEOUS	ALIDA	48.9	--	--	39.5	37.6	1.9	39.9	0.000	0.000	193	--	--	--	--	--	MISS	--
	BAKKEN	3,795.2	--	--	2,902.4	959.9	1,942.5	37.8	135.758	0.693	5,484	--	--	--	--	--	MISS	--
	BEARPAW	284.6	--	--	167.5	10.1	157.4	35.9	10.121	0.095	776	--	--	--	--	--	CRET	--
	BELLY RIVER	967.3	--	--	583.1	130.6	452.5	36.1	61.492	0.291	3,914	--	--	--	--	--	CRET	--
	CANTUAR	278.9	--	--	210.1	121.4	88.7	35.2	40.017	0.209	993	--	--	--	--	--	CRET	--
	COLONY	10,835.3	--	--	8,175.9	4,376.7	3,799.2	34.4	481.570	1.706	39,537	--	--	--	--	--	CRET	--
	CUMMINGS	262.4	--	--	193.8	97.2	96.6	36.6	50.135	0.191	1,048	--	--	--	--	--	CRET	--
	FROBISHER	27.1	--	--	21.9	11.1	10.8	38.9	0.917	0.005	84	--	--	--	--	--	MISS	--
	GENERAL PETROLEUM	224.5	--	--	173.1	103.8	69.3	36.1	11.654	0.054	666	--	--	--	--	--	CRET	--
	LLOYDMINSTER	1,032.0	--	--	815.9	489.1	326.8	34.4	59.132	0.183	3,132	--	--	--	--	--	CRET	--
	MANNVILLE	8,391.8	--	--	6,350.6	2,030.2	4,320.4	37.4	179.778	0.912	13,276	--	--	--	--	--	CRET	--
	MCLAREN	3,194.5	--	--	2,416.3	1,788.3	628.0	34.4	138.788	0.537	13,919	--	--	--	--	--	CRET	--
	MILK RIVER	866.2	--	--	534.9	0.3	534.6	35.9	0.309	0.001	1,600	--	--	--	--	--	CRET	--
	REX	634.6	--	--	476.1	258.9	217.2	34.4	52.605	0.182	2,703	--	--	--	--	--	CRET	--
	RIBSTONE CREEK	1,046.8	--	--	731.6	345.8	385.8	34.4	16.924	0.061	13,852	--	--	--	--	--	CRET	--
	ROSERAY	402.4	--	--	295.7	146.1	149.6	37.4	20.764	0.101	968	--	--	--	--	--	CRET	--
	SECOND WHITE SPECKS	1,130.8	--	--	775.8	218.1	557.4	35.4	34.508	0.109	5,924	--	--	--	--	--	CRET	--
	SPARKY	1,265.1	--	--	951.2	567.6	383.6	34.4	60.863	0.328	5,757	--	--	--	--	--	CRET	--
	SPINNEY HILL	54.2	--	--	35.0	6.0	29.0	32.0	0.000	0.000	134	--	--	--	--	--	CRET	--

NATURAL GAS RESERVES AND RESERVOIR DATA

POOL	PRODUCING HORIZON	INITIAL GAS IN PLACE MILLION M^3	RECOVERY FACTOR %	SURF LOSS %	INITIAL ESTABLISHED RESERVES	CUMULATIVE PRODUCTION DEC 31/98	REMAINING RESERVES DEC 31/98	HEATING VALUE MJ/M^3	1998 PRODUCTION YEARLY TOTAL	1998 PRODUCTION DAILY AVERAGE	DEVELOPED AREA HECTARES	NET PAY M	AVE. POROSITY %	WATER SAT. %	PRODUCING SPECIFIC GRAVITY	PRODUCING DEPTH M	SYSTEM	DISCOVERY YEAR
		..... MILLION CUBIC METRES							--- MILLION M^3 ---									
MISCELLANEOUS	ST WALBURG	1,005.6	--	--	737.7	348.7	389.0	39.2	57.276	0.206	7,437	--	--	--	--	--	CRET	--
	SUCCESS	1,090.2	--	--	837.2	199.3	637.9	38.0	34.606	0.189	1,309	--	--	--	--	--	PRE-CRET	--
	UPPER SHAUNAVON	582.4	--	--	460.6	393.3	67.3	38.0	56.117	0.163	636	--	--	--	--	--	JURA	--
	VIKING	5,238.2	--	--	3,492.1	572.4	2,919.7	37.4	76.859	0.276	10,444	--	--	--	--	--	CRET	--
	WASECA	995.1	--	--	750.9	331.4	419.5	34.2	41.748	0.239	4,558	--	--	--	--	--	CRET	--
	TOTAL NON-ASSOCIATED	**249,145.6**			**171,545.0**	**104,019.1**	**67,525.9**		**6,204.554**	**21.131**								
ASSOCIATED GAS RESERVES																		
ABERFELDY	SPARKY SAND	105.5	80	5	80.2	62.7	17.5	34.4	0.000	0.000	678	2.44	25.0	30.0	0.595	529	CRET	1958
ALIDA EAST	FROBISHER-ALIDA	688.4	55	5	359.7	160.7	199.0	45.0	0.000	0.000	656	5.79	18.1	20.0	0.700	1,116	MISS	1954
ALIDA WEST	ALIDA	81.4	85	5	65.7	0.0	65.7	45.0	0.000	0.000	214	3.05	14.3	31.0	0.700	1,137	MISS	1955
AVON HILL	VIKING SAND	10.5	80	5	8.0	0.0	8.0	37.4	0.000	0.000	40	2.13	25.0	30.0	0.600	678	CRET	1959
BIG GULLY	MCLAREN SAND	67.2	80	5	51.1	22.0	29.1	36.0	3.046	0.009	518	5.00	24.0	30.0	0.579	476	CRET	1962
BIG GULLY	WASECA SAND	25.4	80	5	19.3	16.9	2.4	36.0	0.953	0.007	259	2.00	25.0	30.0	0.586	508	CRET	1962
BUFFALO COULEE	BAKKEN SAND	3.5	60	5	2.0	2.0	0.0	37.2	0.000	0.000	8	3.09	23.0	25.0	0.565	808	MISS	1953
CANTUAR EAST	CANTUAR SAND	915.8	90	3	799.5	569.3	230.2	37.4	0.000	0.000	1,635	4.40	24.3	42.4	0.599	960	CRET	1957
COSINE LAKE	LLOYDMINSTER SAND	170.7	66	5	107.0	51.5	55.6	34.4	0.000	0.000	483	2.92	30.0	35.0	0.600	770	CRET	1972
DEE VALLEY	WASECA SAND	75.4	70	5	50.1	0.0	50.1	37.2	0.000	0.000	663	1.50	30.0	30.0	0.597	460	CRET	1967
EPPING	SPARKY SAND	6.9	80	5	5.2	2.6	2.6	34.4	0.000	0.000	65	2.00	25.0	40.0	0.609	610	CRET	1967
EUREKA	VIKING SAND	12.6	80	5	9.6	9.4	0.2	40.7	0.238	0.001	65	2.01	22.4	35.0	0.622	689	CRET	1954
HOOSIER	BAKKEN SAND	135.9	90	5	116.2	92.4	23.8	37.9	32.517	0.166	400	2.44	25.0	36.0	0.576	852	MISS	1972
LASHBURN	WASECA SAND	16.8	80	5	12.8	3.1	9.7	34.4	0.000	0.000	64	4.51	25.0	30.0	0.592	498	CRET	1966
LONE ROCK	SPARKY SAND	0.3	70	5	0.2	0.2	0.0	34.4	0.000	0.000	4	2.00	20.0	50.0	0.600	560	CRET	1947
MANTARIO NORTH	BASAL MANNVILLE SAND	31.0	80	5	23.6	0.1	23.5	38.9	0.000	0.000	64	2.30	32.0	20.0	0.584	906	CRET	1984
MARSDEN SOUTH	SPARKY SAND	93.5	50	5	44.4	22.4	22.0	34.4	0.000	0.000	518	2.04	30.0	35.0	0.600	625	CRET	1979
NORTH HOOSIER	BAKKEN SAND	10.8	85	5	8.7	4.0	4.7	37.7	0.000	0.000	83	1.52	20.0	25.0	0.600	831	MISS.	1980
NOTTINGHAM	ALIDA	304.3	90	5	260.2	0.0	260.2	45.0	0.000	0.000	354	6.10	16.7	34.0	0.700	1,061	MISS.	1956
SILVERDALE	SPARKY SAND	16.3	80	5	12.4	12.4	0.0	34.4	0.000	0.000	76	3.05	25.0	30.0	0.596	573	CRET	1965
SMILEY-DEWAR	VIKING SAND	15.8	85	5	12.8	11.9	0.9	38.3	0.000	0.000	65	2.29	25.5	32.0	0.608	694	CRET	1973
TANGLEFLAGS	SPARKY SAND	4.2	75	5	3.0	3.0	0.0	34.4	0.000	0.000	22	3.04	25.0	30.0	0.595	511	CRET.	1969
	TOTAL ASSOCIATED	**2,792.2**			**2,051.7**	**1,046.6**	**1,005.1**		**36.754**	**0.183**								

NATURAL GAS RESERVES AND RESERVOIR DATA

POOL	PRODUCING HORIZON	INITIAL GAS IN PLACE MILLION M^3	RECOVERY FACTOR %	SURF LOSS %	INITIAL ESTABLISHED RESERVES	CUMULATIVE PRODUCTION DEC 31/98	REMAINING RESERVES DEC 31/98	HEATING VALUE MJ/M^3	1998 PRODUCTION YEARLY TOTAL	1998 PRODUCTION DAILY AVERAGE	DEVELOPED AREA HECTARES	NET PAY M	AVE. POROSITY %	WATER SAT. %	PRODUCING SPECIFIC GRAVITY	PRODUCING DEPTH M	SYSTEM	DISCOVERY YEAR
					------- MILLION CUBIC METRES -------				--- MILLION M^3 ---									
DISSOLVED GAS RESERVES																		
	AREA I				153.5	132.0	21.5		0.837	0.002								
	AREA II				4,284.8	2,615.9	1,668.9		248.576	0.681								
	AREA III				989.8	628.4	361.4		90.343	0.248								
	AREA IV				9,694.3	7,050.1	2,644.2		325.035	0.891								
	TOTAL DISSOLVED				**15,122.4**	**10,426.4**	**4,696.0**		**664.791**	**1.822**								
	PROVINCIAL TOTALS	**251,937.8**			**188,719.1**	**115,492.1**	**73,227.0**		**6,906.099**	**23.136**								

OIL AND GAS UNITS

AND ENHANCED

RECOVERY PROJECTS

OIL AND GAS UNITS

AND ENHANCED

RECOVERY PROJECTS

OIL AND GAS UNITS – ENHANCED RECOVERY PROJECTS

UNIT NAME	OPERATOR	PRODUCING ZONE	UNIT EFFECTIVE DATE	LATEST BOUNDARY REVISION	ENHANCED RECOVERY PROJECTS
AREA I					
ABERFELDY UNIT	HUSKY	SPARKY	12-1-62	5-1-66	WATERFLOOD (SUSPENDED)
					IN SITU WET COMB. (SUSP.)
					STEAMFLOOD (SUSPENDED)
BEACON HILL MANNVILLE VOLUNTARY GAS UNIT	WASCANA ENERGY	COLONY & MCLAREN	8-1-66	--	--
BIG GULLY VOLUNTARY UNIT NO. 1	HUSKY	WASECA & MCLAREN	10-1-70	1-1-71	WATERFLOOD (SUSPENDED)
GOLDEN LAKE VOLUNTARY UNIT	PETROVERA	SPARKY & WASECA	1-1-71	8-1-91	WATERFLOOD (SUSPENDED)
GOLDEN LAKE SOUTH SPARKY VOLUNTARY UNIT NO. 1	PETROVERA	SPARKY	11-1-68	--	--
GOLDEN LAKE SOUTH VOLUNTARY UNIT	PETROVERA	WASECA	8-1-91	--	WATERFLOOD (SUSPENDED)
GULLY LAKE WASECA VOLUNTARY UNIT NO. 1	HUSKY	WASECA	8-1-71	--	WATERFLOOD
LASHBURN WASECA VOLUNTARY UNIT	HUSKY	WASECA	4-1-66	8-1-71	WATERFLOOD (SUSPENDED)
MARSDEN SOUTH SPARKY SAND VOLUNTARY UNIT NO. 1	WASCANA ENERGY	SPARKY	11-1-65	--	WATERFLOOD
MARSDEN SOUTH SPARKY SAND VOLUNTARY UNIT NO. 2	WASCANA ENERGY	SPARKY	7-1-66	8-1-82	WATERFLOOD
MARSDEN SOUTH SPARKY SAND VOLUNTARY UNIT NO. 3	PENN WEST	SPARKY	4-1-90	--	WATERFLOOD
MARSDEN SOUTH SPARKY SAND VOLUNTARY UNIT NO. 4	WASCANA ENERGY	SPARKY	7-1-87	--	WATERFLOOD
NORTH DULWICH SPARKY VOLUNTARY UNIT	HUSKY	SPARKY	10-1-70	--	WATERFLOOD (SUSPENDED)
NORTHMINSTER SPARKY VOLUNTARY UNIT	HUSKY	SPARKY	3-1-70	8-1-70	WATERFLOOD (SUSPENDED)
SOUTH ABERFELDY SPARKY VOLUNTARY UNIT	HUSKY	SPARKY	8-1-68	5-1-70	WATERFLOOD (SUSPENDED)
SOUTH EPPING UNIT NO. 1	PETROVERA	SPARKY & G.P.	9-1-66	9-1-87	WATERFLOOD
SOUTH WEST EPPING SPARKY VOLUNTARY UNIT NO. 1	PETROVERA	SPARKY	1-1-72	7-1-73	WATERFLOOD
TANGLEFLAGS VOLUNTARY UNIT NO. 2	CAN. NATURAL	LLOYDMINSTER	3-1-61	--	WATERFLOOD
TANGLEFLAGS VOLUNTARY UNIT NO. 3	BELLATOR	G.P., MCLAREN & LLOYDMINSTER	2-1-61	--	--
TANGLEFLAGS VOLUNTARY UNIT NO. 4	HUSKY	LLOYDMINSTER	1-1-61	--	WATERFLOOD (SUSPENDED)
AREA II					
AVON HILL VIKING VOLUNTARY UNIT	K-TOWN HOLDINGS	VIKING	8-1-88	--	WATERFLOOD (SUSPENDED)
BAYHURST VIKING VOLUNTARY GAS UNIT	TRANSGAS	VIKING	11-1-66	--	GAS STORAGE
BROCK VIKING SAND GAS UNIT	ISH ENERGY	VIKING	3-1-94	--	--
CACTUS LAKE VOLUNTARY UNIT NO. 1	PETROVERA	BAKKEN	5-1-88	--	WATERFLOOD
CACTUS LAKE VOLUNTARY UNIT NO. 2	WASCANA ENERGY	BAKKEN	6-1-88	--	WATERFLOOD
CACTUS LAKE NORTH MCLAREN VOLUNTARY UNIT NO. 1	MURPHY OIL	MCLAREN	12-1-93	--	GAGO PROCESS
COLEVILLE-SMILEY VIKING SAND GAS UNIT	IMPERIAL OIL	VIKING	7-1-58	4-1-72	--
COLEVILLE SOUTH BAKKEN SAND VOLUNTARY UNIT	PETROVERA	BAKKEN	3-1-88	8-1-97	WATERFLOOD
COURT BAKKEN SAND VOLUNTARY UNIT NO. 1	WASCANA ENERGY	BAKKEN	5-1-88	1-1-94	WATERFLOOD
DODSLAND VIKING GAS VOLUNTARY UNIT	FLET. CHALLENGE	VIKING	11-1-67	1-1-70	--
EAGLE LAKE VIKING VOLUNTARY UNIT	VIKING HOLDINGS	VIKING	10-1-88	--	WATERFLOOD
EAST DODSLAND VIKING VOLUNTARY UNIT	DANOIL ENERGY	VIKING	9-1-88	--	WATERFLOOD (SUSPENDED)
GLENEATH UNIT	ENERPLUS	VIKING	9-1-66	10-1-67	WATERFLOOD
GLENEATH SOUTH VIKING VOLUNTARY UNIT	ISH ENERGY	VIKING	8-1-88	--	WATERFLOOD
HOOSIER BAKKEN SAND VOL. UNIT NO. 1	PENN WEST	BAKKEN	3-1-91	--	WATERFLOOD
HOOSIER VIKING SAND GAS UNIT	IMPERIAL OIL	VIKING	8-1-57	--	--
KIYU LAKE VIKING VOLUNTARY UNIT	DANOIL ENERGY	VIKING	12-1-88	--	--
KIYU LAKE VIKING VOLUNTARY UNIT NO. 2	DANOIL ENERGY	VIKING	1-1-96	--	WATERFLOOD
LUCKY HILLS VIKING SAND VOLUNTARY GAS UNIT	ISH ENERGY	VIKING	8-1-71	--	--
MANTARO EAST BASAL MANNVILLE VOLUNTARY UNIT NO. 1	CRESTAR	BASAL MANNVILLE	9-1-96	--	WATERFLOOD
MANTARO NORTH BASAL MANNVILLE VOLUNTARY UNIT NO. 1	CRESTAR	BASAL MANNVILLE	2-1-96	--	WATERFLOOD
NORTH DODSLAND VIKING VOLUNTARY UNIT	VIKING HOLDINGS	VIKING	8-1-88	--	WATERFLOOD
NORTH DODSLAND VIKING VOLUNTARY UNIT NO. 2	MAXIMUM	VIKING	1-1-89	--	--
NORTH EUREKA UNIT	MAXIMUM	VIKING	8-1-66	12-1-71	WATERFLOOD

OIL AND GAS UNITS – ENHANCED RECOVERY PROJECTS

WATER SOURCE	INJECTION PATTERN	ACTIVE WELLS 12/98 PROD.	ACTIVE WELLS 12/98 INJ.	DATE OF FIRST INJECTION	INJECTION RATE, 12/98 m3/DAY	UNIT NAME
						AREA I
MANNVILLE	INV. 9-SPOT & 5-SPOT	2	–	05-64	–	ABERFELDY UNIT
GLACIAL DRIFT	INV. 9-SPOT & 5-SPOT	–	–	07-69	–	
SURFACE WATER	INV. 9-SPOT	–	–	02-81	–	
	–	30	–	–	–	BEACON HILL MANNVILLE VOLUNTARY GAS UNIT
DINA	9-SPOT	11	–	10-70	–	BIG GULLY VOLUNTARY UNIT NO. 1
DINA	MOD. 9-SPOT	18	–	04-71	–	GOLDEN LAKE VOLUNTARY UNIT
	–	2	–	–	–	GOLDEN LAKE SOUTH SPARKY VOLUNTARY UNIT NO. 1
MANNVILLE	INV. 9-SPOT	53	–	01-92	–	GOLDEN LAKE SOUTH VOLUNTARY UNIT
DINA	INV. & MOD. 9-SPOT	6	–	07-71	–	GULLY LAKE WASECA VOLUNTARY UNIT NO. 1
DINA	9-SPOT	28	–	–	–	LASHBURN WASECA VOLUNTARY UNIT
DINA	INV. 9-SPOT	26	15	12-85	3 132	MARSDEN SOUTH SPARKY SAND VOLUNTARY UNIT NO. 1
DINA	INV. 5-SPOT	19	10	06-89	2 292	MARSDEN SOUTH SPARKY SAND VOLUNTARY UNIT NO. 2
DINA	INV. 5-SPOT	10	7	04-90	510	MARSDEN SOUTH SPARKY SAND VOLUNTARY UNIT NO. 3
DINA	PART. INV. 9-SPOT	8	1	03-97	275	MARSDEN SOUTH SPARKY SAND VOLUNTARY UNIT NO. 4
GLACIAL DRIFT	–	0	–	10-70	–	NORTH DULWICH SPARKY VOLUNTARY UNIT
DINA	9-SPOT	1	–	10-70	–	NORTHMINSTER SPARKY VOLUNTARY UNIT
DINA	9-SPOT	15	–	09-69	–	SOUTH ABERFELDY SPARKY VOLUNTARY UNIT
MANNVILLE	INV. 9-SPOT	39	19	08-66	474	SOUTH EPPING UNIT NO. 1
DINA	INV. 9-SPOT	31	13	03-72	243	SOUTH WEST EPPING SPARKY VOLUNTARY UNIT NO. 1
SURFACE WATER	INV. 9-SPOT	6	5	08-81	254	TANGLEFLAGS VOLUNTARY UNIT NO. 2
–	–	41	–	–	–	TANGLEFLAGS VOLUNTARY UNIT NO. 3
PRODUCED WATER	PART. INV. 9-SPOT	13	–	04-91	–	TANGLEFLAGS VOLUNTARY UNIT NO. 4
						AREA II
DEADWOOD	INV. 9-SPOT	54	1	12-85	18	AVON HILL VIKING VOLUNTARY UNIT
–	–	–	–	–	–	BAYHURST VIKING VOLUNTARY GAS UNIT
–	–	4	–	–	–	BROCK VIKING SAND GAS UNIT
RIBSTONE CREEK	INV. 9-SPOT	13	3	06-88	237	CACTUS LAKE VOLUNTARY UNIT NO. 1
RIBSTONE CREEK	INV. 9-SPOT	64	28	06-88	3 804	CACTUS LAKE VOLUNTARY UNIT NO. 2
RIBSTONE CREEK	N/A	30	0	04-97	0	CACTUS LAKE NORTH MCLAREN VOLUNTARY UNIT NO. 1
–	–	38	–	–	–	COLEVILLE-SMILEY VIKING SAND GAS UNIT
BELLY RIVER	PERIPHERAL	44	17	01-88	789	COLEVILLE SOUTH BAKKEN SAND VOLUNTARY UNIT
RIBSTONE CREEK	INV. 9-SPOT	29	14	06-88	2 265	COURT BAKKEN SAND VOLUNTARY UNIT NO. 1
–	–	10	–	–	–	DODSLAND VIKING GAS VOLUNTARY UNIT
BELLY RIVER	INV. 9-SPOT	300	27	01-67	460	EAGLE LAKE VIKING VOLUNTARY UNIT
DEADWOOD	9-SPOT	166	–	10-85	–	EAST DODSLAND VIKING VOLUNTARY UNIT
BELLY RIVER	INV. 9-SPOT	141	47	10-66	300	GLENEATH UNIT
BELLY RIVER	INV. 9-SPOT	5	0	07-85	0	GLENEATH SOUTH VIKING VOLUNTARY UNIT
PRODUCED WATER	PERIPHERAL	4	2	01-75	209	HOOSIER BAKKEN SAND VOL. UNIT NO. 1
–	–	22	–	–	–	HOOSIER VIKING SAND GAS UNIT
–	–	45	–	–	–	KIYIU LAKE VIKING VOLUNTARY UNIT
DUPEROW	INV. 9-SPOT	31	11	03-86	34	KIYIU LAKE VIKING VOLUNTARY UNIT NO. 2
–	–	4	–	–	–	LUCKY HILLS VIKING SAND VOLUNTARY GAS UNIT
BELLY RIVER	PERIPHERAL	10	3	01-97	378	MANTARIO EAST BASAL MANNVILLE VOLUNTARY UNIT NO. 1
MANNVILLE	PERIPHERAL	37	9	02-96	3 950	MANTARIO NORTH BASAL MANNVILLE VOLUNTARY UNIT NO. 1
DEADWOOD	INV. 9-SPOT	91	27	12-85	261	NORTH DODSLAND VIKING VOLUNTARY UNIT
–	–	20	–	–	–	NORTH DODSLAND VIKING VOLUNTARY UNIT NO. 2
BELLY RIVER	INV. 9-SPOT	40	7	03-63	117	NORTH EUREKA UNIT

OIL AND GAS UNITS – ENHANCED RECOVERY PROJECTS

UNIT NAME	OPERATOR	PRODUCING ZONE	UNIT EFFECTIVE DATE	LATEST BOUNDARY REVISION	ENHANCED RECOVERY PROJECTS
NORTH HOOSIER BAKKEN SAND VOLUNTARY UNIT	PENN WEST	BAKKEN	7-1-70	8-1-73	WATERFLOOD
NORTH HOOSIER BASAL BLAIRMORE VOLUNTARY UNIT	FRASER	MANNVILLE	1-1-69	5-1-80	WATERFLOOD
NORTH SMILEY BAKKEN SAND VOLUNTARY UNIT NO. 1	WASCANA ENERGY	BAKKEN	11-1-98	–	WATERFLOOD
PLATO VIKING VOLUNTARY UNIT NO. 1	RAMBO RESOURCES	VIKING	4-1-73	–	WATERFLOOD
PLOVER LAKE VOLUNTARY UNIT NO. 1	MURPHY OIL	MCLAREN	7-1-93	–	–
SMILEY-DEWAR VIKING VOLUNTARY UNIT NO. 1	VIKING HOLDINGS	VIKING	9-1-83	–	–
SOUTH EUREKA UNIT	ISH ENERGY	VIKING	4-1-65	9-1-71	WATERFLOOD
SUPERB BAKKEN VOLUNTARY GAS UNIT NO. 1	WASCANA ENERGY	BAKKEN	4-1-89	–	–
SUPERB NORTH VOLUNTARY UNIT NO. 1	WASCANA ENERGY	BAKKEN	8-1-87	–	–
TOTNES VIKING GAS VOLUNTARY UNIT NO. 1	MAXIMUM	VIKING	1-1-71	–	–
VERENDRYE VIKING VOLUNTARY GAS UNIT	ACANTHUS	VIKING	9-1-80	–	–
WEST BAYHURST VIKING GAS VOLUNTARY UNIT	FLET. CHALLENGE	VIKING	2-1-72	–	–
WHITESIDE VIKING VOLUNTARY UNIT	VIKING HOLDINGS	VIKING	9-1-85	–	WATERFLOOD (SUSPENDED)
WHITESIDE VICTORIA VOLUNTARY GAS UNIT	BIG BEAR EXPL.	VICTORIA	1-1-68	–	–
AREA III					
ANTELOPE LAKE UPPER SHAUNAVON VOLUNTARY UNIT	CYPRESS ENERGY	UPPER SHAUNAVON	3-1-75	–	WATERFLOOD
BATTRUM NORTH VOLUNTARY UNIT NO. 1	PLACE RESOURCES	ROSERAY	7-1-93	12-1-94	WATERFLOOD
BATTRUM UNIT NO. 1	MOBIL	ROSERAY	10-1-64	6-1-69	WATERFLOOD IN-SITU WET COMBUSTION
BATTRUM VOLUNTARY UNIT NO. 2	MOBIL	ROSERAY	7-1-97	–	IN-SITU WET COMBUSTION
BATTRUM VOLUNTARY UNIT NO. 3	MOBIL	ROSERAY	6-1-88	–	WATERFLOOD IN-SITU WET COMBUSTION
BATTRUM UNIT NO. 4	CAN. NATURAL	ROSERAY	6-1-66	–	WATERFLOOD
BATTRUM VOLUNTARY UNIT NO. 5	CAN. NATURAL	ROSERAY	3-1-90	–	WATERFLOOD
BENCH VOLUNTARY UNIT NO. 1	RENAISSANCE	UPPER SHAUNAVON	8-1-90	–	WATERFLOOD
BEVERLEY UNIT NO. 1	RENAISSANCE	UPPER & LOWER ROSERAY	5-1-66	–	WATERFLOOD
BEVERLEY VOLUNTARY UNIT NO. 2	RENAISSANCE	ROSERAY	6-1-88	–	WATERFLOOD
BEVERLEY CANTUAR VOLUNTARY UNIT NO. 1	RENAISSANCE	CANTUAR	6-1-88	–	WATERFLOOD
BEVERLEY NORTH CANTUAR VOLUNTARY UNIT NO. 1	RENAISSANCE	CANTUAR	6-1-88	–	WATERFLOOD
BONE CREEK UNIT	RENAISSANCE	UPPER SHAUNAVON	7-1-80	–	WATERFLOOD/POLYMER
BUTTE VOLUNTARY UNIT	RENAISSANCE	UPPER SHAUNAVON	1-1-71	2-1-72	WATERFLOOD
BUTTE WEST VOLUNTARY UNIT NO. 1	RENAISSANCE	UPPER SHAUNAVON	5-1-82	7-1-94	WATERFLOOD
BUTTE WEST VOLUNTARY UNIT NO. 2	RENAISSANCE	UPPER SHAUNAVON	6-1-93	9-1-95	WATERFLOOD
CANTUAR UNIT	RENAISSANCE	CANTUAR & LOWER ROSERAY	10-1-59	–	WATERFLOOD
COVINGTON UNIT NO. 1	SHAWNEE	UPPER SHAUNAVON	7-1-69	–	WATERFLOOD
DELTA UNIT NO. 1	RENAISSANCE	UPPER SHAUNAVON	4-1-66	6-1-69	WATERFLOOD
DELTA UNIT NO. 2	RENAISSANCE	UPPER SHAUNAVON	8-1-69	–	WATERFLOOD
DELTA VOLUNTARY UNIT NO. 3	RENAISSANCE	UPPER SHAUNAVON	12-1-88	–	WATERFLOOD
DOLLARD UNIT	TALISMAN	UPPER SHAUNAVON	9-1-55	7-1-72	WATERFLOOD
EAST BEVERLEY (JAVA) CANTUAR VOLUNTARY UNIT	CYPRESS ENERGY	CANTUAR	9-1-90	–	–
EAST BEVERLEY VOLUNTARY GAS UNIT NO. 1	RENAISSANCE	CANTUAR	8-1-78	–	–
EAST CANTUAR GAS UNIT	RENAISSANCE	CANTUAR & ROSERAY	3-1-75	–	GAS STORAGE
EAST CANTUAR UNIT NO. 1	RENAISSANCE	CANTUAR & ROSERAY	3-1-75	–	WATERFLOOD (CANTUAR & ROSERAY)
EAST CANTUAR UNIT NO. 2	RENAISSANCE	ROSERAY & CANTUAR	3-1-75	–	WATERFLOOD (ROSERAY)
EAST DOLLARD VOLUNTARY UNIT	CANOR ENERGY	UPPER SHAUNAVON	10-1-70	–	WATERFLOOD
FOSTERTON MAIN UNIT	RENAISSANCE	ROSERAY	7-1-58	–	WATERFLOOD

OIL AND GAS UNITS – ENHANCED RECOVERY PROJECTS

WATER SOURCE	INJECTION PATTERN	ACTIVE WELLS 12/98 PROD.	INJ.	DATE OF FIRST INJECTION	INJECTION RATE, 12/98 m3/DAY	UNIT NAME
RIBSTONE CREEK	LINE DRIVE	9	4	08-70	1 030	NORTH HOOSIER BAKKEN SAND VOLUNTARY UNIT
LEA PARK	PERIPHERAL	14	7	12-66	868	NORTH HOOSIER BASAL BLAIRMORE VOLUNTARY UNIT
BELLY RIVER	IRREGULAR	28	4	11-98	1 277	NORTH SMILEY BAKKEN SAND VOLUNTARY UNIT NO. 1
BELLY RIVER	INV. 9-SPOT	36	2	01-73	3	PLATO VIKING VOLUNTARY UNIT NO. 1
–	–	7	–	–	–	PLOVER LAKE VOLUNTARY UNIT NO. 1
–	–	48	–	–	–	SMILEY-DEWAR VIKING VOLUNTARY UNIT NO. 1
LEA PARK & BELLY RIVER	INV. 9-SPOT	76	21	09-73	108	SOUTH EUREKA UNIT
–	–	1	–	–	–	SUPERB BAKKEN VOLUNTARY GAS UNIT NO. 1
–	–	0	–	–	–	SUPERB NORTH VOLUNTARY UNIT NO. 1
–	–	2	–	–	–	TOTNES VIKING GAS VOLUNTARY UNIT NO. 1
–	–	1	–	–	–	VERENDRYE VIKING VOLUNTARY GAS UNIT
–	–	1	–	–	–	WEST BAYHURST VIKING GAS VOLUNTARY UNIT
DUPEROW	INV. 9-SPOT	27	–	05-85	–	WHITESIDE VIKING VOLUNTARY UNIT
–	–	2	–	–	–	WHITESIDE VICTORIA VOLUNTARY GAS UNIT
						AREA III
ROSERAY	–	9	3	10-78	76	ANTELOPE LAKE UPPER SHAUNAVON VOLUNTARY UNIT
MANNVILLE	PERIPHERAL	18	3	09-93	518	BATTRUM NORTH VOLUNTARY UNIT NO. 1
BELLY RIVER	PERIPHERAL	69	19	03-82	6 773	BATTRUM UNIT NO. 1
–	–		15	10-96		
–	–	18	3	11-65	1 017	BATTRUM VOLUNTARY UNIT NO. 2
MANNVILLE	INV. 9-SPOT	25	5	12-96	913	BATTRUM UNIT NO. 3
–	–		8	09-67		
MANNVILLE	INV. 9-SPOT	12	10	09-66	2 241	BATTRUM UNIT NO. 4
MANNVILLE	–	1	1	05-90	84	BATTRUM VOLUNTARY UNIT NO. 5
MADISON	PERIPHERAL	5	3	09-90	39	BENCH VOLUNTARY UNIT NO. 1
MANNVILLE	PERIPHERAL	17	3	01-66	940	BEVERLEY UNIT NO. 1
MANNVILLE	PERIPHERAL	12	1	06-88	228	BEVERLEY VOLUNTARY UNIT NO. 2
MANNVILLE	INV. 9-SPOT	21	10	06-88	318	BEVERLEY CANTUAR VOLUNTARY UNIT NO. 1
MANNVILLE	INV. 9-SPOT	19	10	06-88	440	BEVERLEY NORTH CANTUAR VOLUNTARY UNIT NO. 1
BELLY RIVER	PERIPHERAL & INV. 9-SPOT	20	14	05-60	935	BONE CREEK UNIT
ROSERAY	INV. 9-SPOT	32	9	11-70	572	BUTTE VOLUNTARY UNIT
MADISON	INV. 9-SPOT	15	5	06-92	10	BUTTE WEST VOLUNTARY UNIT NO. 1
MADISON	INV. 9-SPOT	8	4	09-93	402	BUTTE WEST VOLUNTARY UNIT NO. 2
BELLY RIVER	PERIPHERAL	124	33	09-60	17 168	CANTUAR UNIT
ROSERAY SAND	–	4	1	11-68	110	COVINGTON UNIT NO. 1
BELLY RIVER	INV. 9-SPOT	15	10	12-65	1 606	DELTA UNIT NO. 1
BELLY RIVER	INV. 9-SPOT	8	3	10-69	235	DELTA UNIT NO. 2
BELLY RIVER	PERIPHERAL	4	1	07-67	99	DELTA VOLUNTARY UNIT NO. 3
VIKING, BELLY RIVER & MANNVILLE	SEMI-PERIPHERAL	49	21	03-56	4 613	DOLLARD UNIT
–	–	12	–	–	–	EAST BEVERLEY (JAVA) CANTUAR VOLUNTARY UNIT
–	–	0	–	–	–	EAST BEVERLEY VOLUNTARY GAS UNIT NO. 1
–	–	–	–	–	–	EAST CANTUAR GAS UNIT
MANNVILLE	–	13	4	03-89	752	EAST CANTUAR UNIT NO. 1
MANNVILLE	–	8	3	01-76	380	EAST CANTUAR UNIT NO. 2
BELLY RIVER	PERIPHERAL	8	3	10-70	736	EAST DOLLARD VOLUNTARY UNIT
MANNVILLE	LINE DRIVE	12	11	08-58	5 304	FOSTERTON MAIN UNIT

OIL AND GAS UNITS – ENHANCED RECOVERY PROJECTS

UNIT NAME	OPERATOR	PRODUCING ZONE	UNIT EFFECTIVE DATE	LATEST BOUNDARY REVISION	ENHANCED RECOVERY PROJECTS
FOSTERTON N.W. UNIT	LIBERTY OIL & GAS	ROSERAY	7-1-58	9-1-70	WATERFLOOD IN-SITU WET COMB. (SUSP.)
GARDEN HEAD VOLUNTARY UNIT NO. 1	RENAISSANCE	UPPER SHAUNAVON	8-1-84	–	WATERFLOOD
GULL LAKE CANTUAR VOLUNTARY UNIT NO. 1	RENAISSANCE	CANTUAR	5-1-72	–	WATERFLOOD
GULL LAKE NORTH SHAUNAVON POOL UNIT	RENAISSANCE	UPPER SHAUNAVON	10-1-58	–	WATERFLOOD
GULL LAKE SOUTH VOLUNTARY UNIT NO. 1	RENAISSANCE	UPPER SHAUNAVON	7-1-86	–	WATERFLOOD
GULL LAKE UPPER SHAUNAVON VOLUNTARY UNIT NO. 1	RENAISSANCE	UPPER SHAUNAVON	5-1-72	–	WATERFLOOD
HAZLET UNIT	BIG STICK RES.	ROSERAY	8-1-68	–	WATERFLOOD
ILLERBRUN VOLUNTARY UNIT	RENAISSANCE	UPPER SHAUNAVON	11-1-66	5-1-67	WATERFLOOD
INSTOW UNIT	TALISMAN	UPPER SHAUNAVON	10-1-59	–	WATERFLOOD
INSTOW SOUTH UPPER SHAUNAVON VOLUNTARY UNIT	CYPRESS ENERGY	UPPER SHAUNAVON	5-1-85	–	WATERFLOOD
JOHNSTON UNIT	RENAISSANCE	BASAL CANTUAR UPPER SHAUNAVON	1-1-83	–	WATERFLOOD (BASAL CANTUAR)
LEITCHVILLE SHAUNAVON VOLUNTARY UNIT	DANOIL ENERGY	SHAUNAVON	1-1-68	4-1-96	WATERFLOOD
NORTH PREMIER UNIT NO. 1	SYMMETRY	ROSERAY & UPPER SHAUNAVON	10-1-64	–	WATERFLOOD (ROSERAY)
NORTH PREMIER UNIT NO. 2	RENAISSANCE	PREMIER SAND	7-1-66	–	WATERFLOOD
NORTH PREMIER VOLUNTARY UNIT NO. 4	RENAISSANCE	ROSERAY & UPPER SHAUNAVON	8-1-80	–	WATERFLOOD
NORTH PREMIER UPPER SHAUNAVON VOLUNTARY UNIT	DANOIL ENERGY	UPPER SHAUNAVON	11-1-72	–	WATERFLOOD
NORTH RAPDAN UPPER SHAUNAVON VOLUNTARY UNIT	PURCELL ENERGY	UPPER SHAUNAVON	2-1-68	5-1-68	WATERFLOOD
PENNANT UPPER SHAUNAVON VOLUNTARY UNIT	RENAISSANCE	UPPER SHAUNAVON	6-1-68	–	WATERFLOOD
RAPDAN UNIT	TALISMAN	UPPER SHAUNAVON	11-1-62	7-1-65	WATERFLOOD (POLYMER)
RAPDAN UPPER SHAUNAVON VOLUNTARY UNIT NO. 2	CANYON CREEK	UPPER SHAUNAVON	4-1-74	–	WATERFLOOD (SUSPENDED)
SOUTHWEST SUCCESS VOLUNTARY UNIT	TDC ENERGY	ROSERAY & CANTUAR	4-1-83	–	–
SUCCESS UNIT	RENAISSANCE	ROSERAY & FOSTERTON	10-1-57	–	WATERFLOOD
SUCCESS ALPHA UNIT	RENAISSANCE	ROSERAY	7-1-60	–	WATERFLOOD
SUCCESS MAIN UNIT	RENAISSANCE	CANTUAR, ROSERAY & FOSTERTON	9-1-62	–	WATERFLOOD (ROSERAY)
SUCCESS NORTH ROSERAY VOLUNTARY UNIT	TRI LINK	ROSERAY	4-1-84	–	WATERFLOOD
SUFFIELD UNIT NO. 1	RENAISSANCE	ROSERAY	7-1-66	4-1-72	WATERFLOOD
SUFFIELD UNIT NO. 2	RENAISSANCE	UPPER SHAUNAVON	9-1-70	–	WATERFLOOD
SUFFIELD UNIT NO. 3	RENAISSANCE	ROSERAY & UPPER SHAUNAVON	8-1-71	4-1-72	WATERFLOOD
VERLO ROSERAY SAND UNIT	RENAISSANCE	ROSERAY	9-1-70	10-1-72	WATERFLOOD
WEST FOSTERTON VOLUNTARY UNIT	RENAISSANCE	ROSERAY	3-1-67	–	WATERFLOOD
AREA IV					
ALAMEDA CENTRAL UNIT	KINWEST	MIDALE	12-1-62	9-1-69	WATERFLOOD
ALAMEDA EAST UNIT	CRN. NATURAL	MIDALE	9-1-62	9-1-65	WATERFLOOD
ALAMEDA MIDALE BEDS VOLUNTARY UNIT NO. 1	MIDALE	MIDALE	1-1-91	–	WATERFLOOD
ALAMEDA WEST MIDALE VOLUNTARY UNIT NO. 1	ATHENA RESOURCES	MIDALE	12-1-84	–	WATERFLOOD
ALIDA UNIT	NAL RESOURCES	ALIDA	12-1-57	–	–
BENDER TILSTON VOLUNTARY UNIT NO. 1	TRI LINK	TILSTON	8-1-83	–	–
BENSON UNIT	RIDEL OIL & GAS	MIDALE	2-1-60	9-1-67	WATERFLOOD
BENSON MIDALE BEDS VOLUNTARY UNIT NO. 1	NORTHROCK	MIDALE	11-1-67	6-1-68	WATERFLOOD
BENSON MIDALE BEDS VOLUNTARY UNIT NO. 2	SUMMIT	MIDALE	12-1-68	–	WATERFLOOD
BENSON MIDALE BEDS VOLUNTARY UNIT NO. 3	STARTECH ENERGY	MIDALE	10-1-85	–	WATERFLOOD
BENSON MIDALE BEDS VOLUNTARY UNIT NO. 4	UPTON	MIDALE	9-1-94	–	WATERFLOOD
CANTAL FROBISHER-ALIDA BEDS VOLUNTARY UNIT NO. 1	WASCANA ENERGY	FROBISHER-ALIDA	1-1-70	–	–
CARNDUFF SOUTH MIDALE VOLUNTARY UNIT NO. 1	BEST PACIFIC	MIDALE	1-1-65	–	WATERFLOOD

OIL AND GAS UNITS – ENHANCED RECOVERY PROJECTS

WATER SOURCE	INJECTION PATTERN	ACTIVE WELLS 12/98 PROD.	ACTIVE WELLS 12/98 INJ.	DATE OF FIRST INJECTION	INJECTION RATE, 12/98 m3/DAY	UNIT NAME
BELLY RIVER	–	–	–	03-57	–	FOSTERTON N.W. UNIT
–	–	–	–	03-70	–	
MADISON	INV. 5-SPOT	15	7	06-94	296	GARDEN HEAD VOLUNTARY UNIT NO. 1
BELLY RIVER	PERIPHERAL & MOD. 9-SPOT	6	1	06-70	59	GULL LAKE CANTUAR VOLUNTARY UNIT NO. 1
BELLY RIVER	–	25	4	08-58	1 082	GULL LAKE NORTH SHAUNAVON POOL UNIT
ROSERAY SAND	–	6	1	06-88	6	GULL LAKE SOUTH VOLUNTARY UNIT NO. 1
BELLY RIVER	–	3	1	05-72	71	GULL LAKE UPPER SHAUNAVON VOLUNTARY UNIT NO. 1
MANNVILLE	PERIPHERAL	6	3	07-70	2 156	HAZLET UNIT
BELLY RIVER	–	6	3	04-66	480	ILLERBRUN VOLUNTARY UNIT
BELLY RIVER & RAVENSCRAG	PERIPHERAL	68	20	12-57	6 363	INSTOW UNIT
BELLY RIVER	–	15	5	12-85	804	INSTOW SOUTH UPPER SHAUNAVON VOLUNTARY UNIT
SURFACE WATER	–	0	–	03-63	–	JOHNSTON UNIT
BELLY RIVER	–	20	7	07-64	127	LEITCHVILLE SHAUNAVON VOLUNTARY UNIT
MANNVILLE	PERIPHERAL	6	3	07-64	1 195	NORTH PREMIER UNIT NO. 1
MANNVILLE	–	0	–	06-67	–	NORTH PREMIER UNIT NO. 2
MANNVILLE	PERIPHERAL	29	9	02-65	3 808	NORTH PREMIER VOLUNTARY UNIT NO. 4
MANNVILLE	–	7	1	02-73	31	NORTH PREMIER UPPER SHAUNAVON VOLUNTARY UNIT
BELLY RIVER	–	11	1	07-68	13	NORTH RAPDAN UPPER SHAUNAVON VOLUNTARY UNIT
BELLY RIVER	INV. 9-SPOT	4	2	06-88	68	PENNANT UPPER SHAUNAVON VOLUNTARY UNIT
BELLY RIVER	PERIPHERAL	52	32	11-62	1 237	RAPDAN UNIT
BELLY RIVER	PARTIAL 5-SPOT	5	1	04-74	39	RAPDAN UPPER SHAUNAVON VOLUNTARY UNIT NO. 2
MANNVILLE	PERIPHERAL	10	2	10-80	1 571	SOUTHWEST SUCCESS VOLUNTARY UNIT
MANNVILLE	PERIPHERAL	18	8	08-58	4 165	SUCCESS UNIT
MANNVILLE	–	4	2	09-60	432	SUCCESS ALPHA UNIT
MANNVILLE	PERIPHERAL	10	4	09-56	1 639	SUCCESS MAIN UNIT
MANNVILLE	PERIPHERAL	15	3	06-82	731	SUCCESS NORTH ROSERAY VOLUNTARY UNIT
BELLY RIVER	PERIPHERAL	7	2	05-66	818	SUFFIELD UNIT NO. 1
BELLY RIVER	–	21	5	07-70	1 105	SUFFIELD UNIT NO. 2
BELLY RIVER	PERIPHERAL	11	8	06-70	2 510	SUFFIELD UNIT NO. 3
MANNVILLE	PERIPHERAL	13	8	06-65	8 095	VERLO ROSERAY SAND UNIT
BELLY RIVER & MANNVILLE	PERIPHERAL	6	3	04-67	1 128	WEST FOSTERTON VOLUNTARY UNIT
						AREA IV
MANNVILLE	INV. 9-SPOT	11	4	03-60	111	ALAMEDA CENTRAL UNIT
MANNVILLE	INV. 9-SPOT	31	12	12-62	517	ALAMEDA EAST UNIT
PRODUCED WATER	INV. 9-SPOT	9	2	03-91	38	ALAMEDA MIDALE BEDS VOLUNTARY UNIT NO. 1
MANNVILLE	PERIPHERAL	4	1	12-84	37	ALAMEDA WEST MIDALE VOLUNTARY UNIT NO. 1
–	–	58	–	–	–	ALIDA UNIT
–	–	0	–	–	–	BENDER TILSTON VOLUNTARY UNIT NO. 1
MANNVILLE	INV. 9-SPOT	45	10	11-64	262	BENSON UNIT
MANNVILLE	INV. 9-SPOT	20	9	11-67	324	BENSON MIDALE BEDS VOLUNTARY UNIT NO. 1
MANNVILLE	INV. 9-SPOT	7	1	12-89	21	BENSON MIDALE BEDS VOLUNTARY UNIT NO. 2
PRODUCED WATER	INV. 9-SPOT	7	1	11-93	44	BENSON MIDALE BEDS VOLUNTARY UNIT NO. 3
MANNVILLE	–	5	0	10-94	0	BENSON MIDALE BEDS VOLUNTARY UNIT NO. 4
–	–	2	–	–	–	CANTAL FROBISHER-ALIDA BEDS VOLUNTARY UNIT NO. 1
PRODUCED WATER	INV. 9-SPOT	4	2	08-85	23	CARNDUFF SOUTH MIDALE VOLUNTARY UNIT

OIL AND GAS UNITS – ENHANCED RECOVERY PROJECTS

UNIT NAME	OPERATOR	PRODUCING ZONE	UNIT EFFECTIVE DATE	LATEST BOUNDARY REVISION	ENHANCED RECOVERY PROJECTS
CARNDUFF VOLUNTARY UNIT NO. 1	CAN. NATURAL	MIDALE	12-1-70	–	WATERFLOOD
CARNDUFF MIDALE VOLUNTARY UNIT NO. 2	ZARGON	MIDALE	10-1-90	–	WATERFLOOD
CARNDUFF MIDALE VOLUNTARY UNIT NO. 3	ZARGON	MIDALE	2-1-93	–	WATERFLOOD
CULLEN UNIT	MARATHON	MIDALE	10-1-65	5-1-68	–
DOUGLASTON-FROBISHER BEDS UNIT	TALISMAN	FROBISHER	6-1-84	–	–
DOUGLASTON-MIDALE BEDS UNIT	TALISMAN	MIDALE	6-1-84	10-1-87	WATERFLOOD
EAST CARNDUFF UNIT	BEST PACIFIC	MIDALE	5-1-62	11-1-85	WATERFLOOD
ELMORE FROBISHER BEDS VOLUNTARY UNIT NO. 1	STARTECH	FROBISHER	12-1-89	–	WATERFLOOD
ELSWICK MIDALE BEDS VOLUNTARY UNIT NO. 1	MIDALE	MIDALE	6-1-90	–	WATERFLOOD
ELSWICK MIDALE BEDS VOLUNTARY UNIT NO. 2	WASCANA ENERGY	MIDALE	9-1-91	1-1-93	WATERFLOOD
FLAT LAKE RATCLIFFE VOLUNTARY UNIT NO. 1	PENN WEST	RATCLIFFE	8-1-68	9-1-89	WATERFLOOD
FLAT LAKE RATCLIFFE VOLUNTARY UNIT NO. 2	POSTELL	RATCLIFFE	11-1-89	–	WATERFLOOD
FLETWODE ALIDA VOLUNTARY UNIT	TALISMAN	ALIDA	10-1-68	5-1-93	–
FREDA LAKE RATCLIFFE VOLUNTARY UNIT NO. 1	SILVER BAY	RATCLIFFE	6-1-88	7-1-90	WATERFLOOD
GAINSBOROUGH FROBISHER-ALIDA VOLUNTARY UNIT	TUNDRA	FROBISHER-ALIDA	11-1-72	–	WATERFLOOD (FROBISHER)
GAINSBOROUGH WEST VOLUNTARY UNIT NO. 1	BEST PACIFIC	FROBISHER	8-1-90	–	WATERFLOOD
GLEN EWEN UNIT	STARTECH ENERGY	MIDALE	4-1-63	–	WATERFLOOD
HASTINGS FROBISHER UNIT	WASCANA ENERGY	FROBISHER	7-1-71	–	WATERFLOOD
HASTINGS FROBISHER BEDS VOLUNTARY UNIT NO. 1	CAN. NATURAL	FROBISHER	1-1-70	–	WATERFLOOD
HASTINGS FROBISHER BEDS VOLUNTARY UNIT NO. 2	ENERMARK	FROBISHER	10-1-70	–	WATERFLOOD
HUMMINGBIRD BAKKEN VOLUNTARY UNIT NO. 1	NORTHROCK	BAKKEN	6-1-88	–	WATERFLOOD
HUMMINGBIRD BIRDBEAR VOLUNTARY UNIT NO. 1	NORTHROCK	BIRDBEAR	12-1-68	–	–
HUMMINGBIRD RATCLIFFE VOLUNTARY UNIT NO. 1	NORTHROCK	RATCLIFFE	12-1-68	–	WATERFLOOD
HUNTOON MIDALE BEDS VOLUNTARY UNIT NO. 1	WASCANA ENERGY	MIDALE	2-1-74	–	WATERFLOOD
HUNTOON MIDALE BEDS VOLUNTARY UNIT NO. 2	DUCE OIL	MIDALE	12-1-87	–	WATERFLOOD
HUNTOON NORTH FROBISHER BEDS VOLUNTARY UNIT NO. 1	ELK POINT	FROBISHER	7-1-96	–	–
INGOLDSBY MISSION CANYON VOLUNTARY UNIT	WASCANA ENERGY	ALIDA	9-1-66	–	–
INGOLDSBY NORTH VOLUNTARY UNIT NO. 1	WASCANA ENERGY	ALIDA	9-1-95	–	–
INGOLDSBY WEST VOLUNTARY UNIT NO. 1	MAXX PETROLEUM	FROBISHER-ALIDA	7-1-94	–	–
KENOSEE TILSTON BEDS VOLUNTARY UNIT	PEMOCO LTD.	TILSTON	9-1-69	6-1-95	–
KISBEY FROBISHER-ALIDA VOLUNTARY UNIT NO. 1	NORTHROCK	FROBISHER-ALIDA	6-1-94	–	–
KISBEY UPPER HASTINGS VOLUNTARY UNIT NO. 1	UPTON	UPPER HASTINGS	4-1-74	–	–
LAKE ALMA VOLUNTARY UNIT	PENN WEST	RATCLIFFE	4-1-69	–	WATERFLOOD
LAMPMAN UNIT	CAN. NATURAL	MIDALE	3-1-64	10-1-67	WATERFLOOD
LOST HORSE HILL FROBISHER-ALIDA BEDS VOL. UNIT NO. 1	CAN. NATURAL	FROBISHER-ALIDA	1-1-71	–	–
LOUGHEED MIDALE BEDS VOLUNTARY UNIT NO. 1	STARTECH	MIDALE	3-1-93	7-1-96	WATERFLOOD
MACOUN MIDALE VOLUNTARY UNIT NO. 1	CRESTAR	MIDALE	7-1-94	–	WATERFLOOD
MANOR LOWER WATROUS-ALIDA VOLUNTARY UNIT NO. 1	BAYTEX ENERGY	L. WATROUS-ALIDA	5-1-96	–	WATERFLOOD
MIDALE UNIT	APACHE CANADA	MIDALE	8-1-62	9-1-87	WATERFLOOD & CO_2
MIDALE RED RIVER VOLUNTARY UNIT NO. 1	BERKLEY PET.	RED RIVER	10-1-97	–	WATERFLOOD
MIDALE SOUTH VOLUNTARY UNIT NO. 1	COMSTATE	MIDALE	7-1-87	–	WATERFLOOD
MIDALE SOUTH VOLUNTARY UNIT NO. 2	WASCANA ENERGY	MIDALE	8-1-89	–	WATERFLOOD
MOOSE MOUNTAIN TILSTON BEDS VOLUNTARY UNIT NO. 1	MIDALE	TILSTON	11-1-95	–	–
NORTH ALAMEDA UNIT	KINWEST	MIDALE	5-1-63	–	WATERFLOOD
NORTH CANTAL UNIT	WASCANA ENERGY	ALIDA	1-1-66	4-1-89	–
NORTH CENTRAL WILLMAR VOLUNTARY UNIT	STAR OIL & GAS	FROBISHER-ALIDA	3-1-76	–	WATERFLOOD
NORTH DALESBORO UNIT NO. 1	WASCANA ENERGY	FROBISHER-ALIDA	12-1-70	–	WATERFLOOD
NORTHGATE MIDALE VOLUNTARY UNIT	SILVER BAY	MIDALE	1-1-84	5-1-90	WATERFLOOD
NORTH HANDSWORTH ALIDA VOLUNTARY UNIT NO. 1	CRESTAR	ALIDA	11-1-93	–	–
NORTHWEST BENSON MIDALE VOLUNTARY UNIT	SILVER BAY	MIDALE	2-1-85	–	WATERFLOOD
NOTTINGHAM NORTH ALIDA BEDS UNIT	NAL RESOURCES	ALIDA	10-1-60	–	–
OUNGRE VOLUNTARY UNIT NO. 1	SUNCOR	OUNGRE	1-1-68	12-1-89	WATERFLOOD

OIL AND GAS UNITS – ENHANCED RECOVERY PROJECTS

WATER SOURCE	INJECTION PATTERN	ACTIVE WELLS 12/98 PROD.	ACTIVE WELLS 12/98 INJ.	DATE OF FIRST INJECTION	INJECTION RATE, 12/98 m3/DAY	UNIT NAME
RAVENSCRAG	–	5	2	05-71	37	CARNDUFF VOLUNTARY UNIT NO. 1
MANNVILLE	INV. 9-SPOT	4	1	10-90	33	CARNDUFF MIDALE VOLUNTARY UNIT NO. 2
MANNVILLE	PERIPHERAL	2	1	03-93	14	CARNDUFF MIDALE BEDS VOLUNTARY UNIT NO. 3
–	–	0	–	–	–	CULLEN UNIT
–	–	1	–	–	–	DOUGLASTON-FROBISHER BEDS UNIT
MANNVILLE	LINE DRIVE	7	4	06-64	43	DOUGLASTON-MIDALE BEDS UNIT
MANNVILLE	INV. 9-SPOT	64	19	07-62	1 034	EAST CARNDUFF UNIT
MANNVILLE	INV. 9-SPOT	30	5	11-70	623	ELMORE FROBISHER BEDS VOLUNTARY UNIT NO. 1
PRODUCED WATER	INV. 9-SPOT	4	1	07-90	31	ELSWICK MIDALE BEDS VOLUNTARY UNIT NO. 1
MANNVILLE	INV. 9-SPOT	11	5	09-91	439	ELSWICK MIDALE BEDS VOLUNTARY UNIT NO. 2
MANNVILLE & VIKING	INV. 9-SPOT	29	9	10-88	480	FLAT LAKE RATCLIFFE VOLUNTARY UNIT NO. 1
RAVENSCRAG	INV. 9-SPOT	4	1	12-89	6	FLAT LAKE RATCLIFFE VOLUNTARY UNIT NO. 2
–	–	6	–	–	–	FLETWODE ALIDA VOLUNTARY UNIT
VIKING	PERIPHERAL	56	9	09-88	653	FREDA LAKE RATCLIFFE VOLUNTARY UNIT NO. 1
PRODUCED WATER	–	7	2	09-73	54	GAINSBOROUGH FROBISHER-ALIDA VOLUNTARY UNIT
MANNVILLE	PERIPHERAL	3	1	10-90	10	GAINSBOROUGH WEST VOLUNTARY UNIT NO. 1
MANNVILLE	INV. 9-SPOT	20	1	10-63	95	GLEN EWEN UNIT
MANNVILLE	INV. 9-SPOT	9	2	10-67	202	HASTINGS FROBISHER UNIT
MANNVILLE	PERIPHERAL	17	6	11-68	443	HASTINGS FROBISHER BEDS VOLUNTARY UNIT NO. 1
MANNVILLE	INV. 9-SPOT & PERIPHERAL	1	1	11-68	2	HASTINGS FROBISHER BEDS VOLUNTARY UNIT NO. 2
PRODUCED WATER	PERIPHERAL	2	2	06-98	55	HUMMINGBIRD BAKKEN VOLUNTARY UNIT NO. 1
–	–	3	–	–	–	HUMMINGBIRD BIRDBEAR VOLUNTARY UNIT NO. 1
MANNVILLE	–	12	5	12-87	555	HUMMINGBIRD RATCLIFFE VOLUNTARY UNIT NO. 1
PRODUCED WATER	–	11	3	09-74	284	HUNTOON MIDALE BEDS VOLUNTARY UNIT NO. 1
MANNVILLE	INV. 9-SPOT	2	1	12-87	17	HUNTOON MIDALE BEDS VOLUNTARY UNIT NO. 2
–	–	4	–	–	–	HUNTOON NORTH FROBISHER BEDS VOLUNTARY UNIT NO. 1
–	–	45	–	–	–	INGOLDSBY MISSION CANYON VOLUNTARY UNIT
–	–	2	–	–	–	INGOLDSBY NORTH VOLUNTARY UNIT NO. 1
–	–	3	–	–	–	INGOLDSBY WEST VOLUNTARY UNIT NO. 1
–	–	25	–	–	–	KENOSEE TILSTON BEDS VOLUNTARY UNIT
–	–	4	–	–	–	KISBEY FROBISHER-ALIDA VOLUNTARY UNIT NO. 1
–	–	7	–	–	–	KISBEY UPPER HASTINGS VOLUNTARY UNIT NO. 1
MANNVILLE	PERIPHERAL	6	3	06-70	86	LAKE ALMA VOLUNTARY UNIT
MANNVILLE	INV. 9-SPOT	4	1	04-64	5	LAMPMAN UNIT
–	–	34	–	–	–	LOST HORSE HILL FROBISHER-ALIDA BEDS VOL. UNIT NO. 1
PRODUCED WATER	PERIPHERAL	33	5	06-97	1 225	LOUGHEED MIDALE BEDS VOLUNTARY UNIT NO. 1
MANNVILLE	PERIPHERAL	4	1	07-94	75	MACOUN MIDALE VOLUNTARY UNIT NO. 1
PRODUCED WATER	HZNTL. INJECTOR	2	1	05-96	291	MANOR LOWER WATROUS-ALIDA VOLUNTARY UNIT NO. 1
MANNVILLE	INV. 9-SPOT	260	53	06-60	7 036	MIDALE UNIT
PRODUCED WATER	PERIPHERAL	8	4	10-97	914	MIDALE RED RIVER VOLUNTARY UNIT NO. 1
MANNVILLE	PERIPHERAL	7	0	09-87	0	MIDALE SOUTH VOLUNTARY UNIT NO. 1
MANNVILLE	INV. 9-SPOT	9	4	09-89	197	MIDALE SOUTH VOLUNTARY UNIT NO. 2
–	–	3	–	–	–	MOOSE MOUNTAIN TILSTON BEDS VOLUNTARY UNIT NO. 1
MANNVILLE	PERIPHERAL	6	2	12-59	117	NORTH ALAMEDA UNIT
–	–	9	–	–	–	NORTH CANTAL UNIT
MANNVILLE	INV. 9-SPOT	8	1	11-78	252	NORTH CENTRAL WILLMAR VOLUNTARY UNIT
MANNVILLE	PERIPHERAL	9	3	02-71	271	NORTH DALESBORO UNIT NO. 1
MANNVILLE	INV. 9-SPOT	18	2	07-84	14	NORTHGATE MIDALE VOLUNTARY UNIT
–	–	1	–	–	–	NORTH HANDSWORTH ALIDA VOLUNTARY UNIT NO. 1
MANNVILLE	INV. 9-SPOT	5	0	09-85	0	NORTHWEST BENSON MIDALE VOLUNTARY UNIT
–	–	40	–	–	–	NOTTINGHAM NORTH ALIDA BEDS UNIT
MANNVILLE	INV. 9-SPOT	55	13	12-08	520	OUNGRE VOLUNTARY UNIT NO. 1

OIL AND GAS UNITS – ENHANCED RECOVERY PROJECTS

UNIT NAME	OPERATOR	PRODUCING ZONE	UNIT EFFECTIVE DATE	LATEST BOUNDARY REVISION	ENHANCED RECOVERY PROJECTS
PARKMAN SOURIS VALLEY BEDS VOLUNTARY UNIT NO. 1	STAR OIL & GAS	SOURIS VALLEY	9-1-97	–	–
PARKMAN SOUTH TILSTON-SOURIS VALLEY VOL. UNIT NO. 1	SUMMIT	TILSTON-SOURIS V.	7-1-94	–	–
PINTO VOLUNTARY UNIT NO. 2	KENWOOD	MIDALE	11-1-91	–	WATERFLOOD
QUEENSVILLE WILLMAR KISBEY SAND VOLUNTARY UNIT	JEDI	KISBEY SAND	7-1-69	–	–
RALPH MIDALE BEDS VOLUNTARY UNIT	MIDALE	MIDALE	10-1-87	–	WATERFLOOD
RALPH WEST MIDALE BEDS VOLUNTARY UNIT NO. 1	MIDALE	MIDALE	5-1-92	–	WATERFLOOD
ROCANVILLE BAKKEN VOLUNTARY UNIT NO. 1	REAL RESOURCES	BAKKEN	11-1-88	–	WATERFLOOD
ROCANVILLE BAKKEN SAND VOLUNTARY UNIT NO. 2	PROGRESS ENERGY	BAKKEN	11-1-97	–	WATERFLOOD
ROSEBANK FROBISHER-ALIDA BEDS VOL. UNIT NO. 1	WASCANA ENERGY	FROBISHER-ALIDA	7-1-71	–	–
ROSEBANK SOUTH ALIDA VOLUNTARY UNIT NO. 1	NCE RESOURCES	ALIDA	9-1-92	–	–
SOUTH ALAMEDA UNIT	PROGRESS ENERGY	MIDALE	10-1-65	–	WATERFLOOD
SOUTH MACOUN WINNIPEGOSIS VOL. UNIT NO. 1	EDGE ENERGY	WINNIPEGOSIS	11-1-92	–	WATERFLOOD
SOUTH PINTO UNIT	BONTERRA	MIDALE	2-1-65	10-1-66	WATERFLOOD
STEELMAN FROBISHER BEDS VOLUNTARY UNIT NO. 1	CAN. NATURAL	FROBISHER	10-1-70	–	–
STEELMAN FROBISHER BEDS VOLUNTARY UNIT NO. 2	GRAND BOW	FROBISHER	9-1-91	–	–
STEELMAN NORTH MIDALE VOLUNTARY UNIT NO. 1	CAN. NATURAL	MIDALE	5-1-83	–	WATERFLOOD
STEELMAN NORTH MIDALE VOLUNTARY UNIT NO. 2	CAN. NATURAL	MIDALE	10-1-85	–	WATERFLOOD
STEELMAN UNIT NO. IA	CAN. NATURAL	MIDALE	7-1-61	4-1-69	WATERFLOOD
STEELMAN UNIT NO. II	WASCANA ENERGY	MIDALE	7-1-61	–	WATERFLOOD
STEELMAN UNIT NO. III	WASCANA ENERGY	MIDALE	7-1-61	–	WATERFLOOD
STEELMAN UNIT NO. IV	CAN. NATURAL	MIDALE	7-1-61	4-1-69	WATERFLOOD
STEELMAN UNIT NO. V	CAN. NATURAL	MIDALE	7-1-61	7-1-65	WATERFLOOD
STEELMAN UNIT NO. VI	CAN. NATURAL	MIDALE	7-1-61	9-1-68	WATERFLOOD
STEELMAN UNIT NO. VII	PROGRESS ENERGY	MIDALE	6-1-62	–	WATERFLOOD
STEELMAN VOLUNTARY UNIT NO. 8	ZARGON	MIDALE & FROBISHER	10-1-93	–	WATERFLOOD
STEELMAN WINNIPEGOSIS VOLUNTARY UNIT NO. 1	BERKLEY PET.	WINNIPEGOSIS	3-1-96	–	WATERFLOOD
STORTHOAKS ALIDA VOLUNTARY UNIT NO. 1	STARTECH	ALIDA	11-1-97	–	WATERFLOOD
TABLELAND VOLUNTARY UNIT NO. 1	DUCE OIL LTD.	WINNIPEGOSIS	6-1-58	–	WATERFLOOD
VIEWFIELD FROBISHER VOLUNTARY UNIT NO. 2	GAUNTLET ENERGY	FROBISHER	2-1-94	–	–
VIEWFIELD VOLUNTARY UNIT NO. 1	COMSTATE	FROBISHER	5-1-74	–	WATERFLOOD (SUSPENDED)
WEST CARNDUFF UNIT	BEST PACIFIC	MIDALE	1-1-61	5-1-62	WATERFLOOD
WEYBURN UNIT	PANCANADIAN	MIDALE	7-1-63	3-1-71	WATERFLOOD
WEYBURN MIDALE BEDS VOLUNTARY UNIT NO. 2	VENTUS ENERGY	MIDALE	9-1-87	–	WATERFLOOD
WEYBURN MIDALE BEDS VOLUNTARY UNIT NO. 3	MIDALE	MIDALE	1-1-88	–	WATERFLOOD
WEYBURN MIDALE BEDS VOLUNTARY UNIT NO. 4	MIDALE	MIDALE	6-1-88	–	WATERFLOOD
WEYBURN MIDALE BEDS VOLUNTARY UNIT NO. 5	WASCANA ENERGY	MIDALE	1-1-88	–	WATERFLOOD
WEYBURN MIDALE BEDS VOLUNTARY UNIT NO. 6	STARTECH	MIDALE	6-1-88	–	WATERFLOOD
WEYBURN MIDALE BEDS VOLUNTARY UNIT NO. 7	MIDALE	MIDALE	6-1-88	–	WATERFLOOD
WEYBURN MIDALE BEDS VOLUNTARY UNIT NO. 8	STARTECH	MIDALE	6-1-89	–	WATERFLOOD
WEYBURN MIDALE BEDS VOLUNTARY UNIT NO. 9	TIKAL RESOURCES	MIDALE	6-1-90	–	WATERFLOOD
WEYBURN MIDALE BEDS VOLUNTARY UNIT NO. 10	PANATLAS	MIDALE	11-1-96	–	WATERFLOOD
WILLMAR FROBISHER-ALIDA VOLUNTARY UNIT NO. 1	CAN. NATURAL	FROBISHER-ALIDA	1-1-68	6-1-88	WATERFLOOD
WILLMAR NORTH FROB-ALIDA BEDS VOLUNTARY UNIT NO. 1	OILTEC	FROBISHER-ALIDA	12-1-93	–	WATERFLOOD
WORKMAN FROBISHER VOLUNTARY UNIT NO. 1	POSTELL	FROBISHER	4-1-67	–	WATERFLOOD
WORKMAN FROBISHER VOLUNTARY UNIT NO. 2	POSTELL	FROBISHER	11-1-90	4-1-93	–
WORKMAN MIDALE VOLUNTARY UNIT NO. 1	POSTELL	MIDALE	4-1-68	–	WATERFLOOD
WORKMAN MIDALE VOLUNTARY UNIT NO. 2	POSTELL	MIDALE	9-1-68	–	WATERFLOOD
WORKMAN VOLUNTARY UNIT NO. 3	KINWEST	FROBISHER	9-1-96	–	–

OIL AND GAS UNITS – ENHANCED RECOVERY PROJECTS

WATER SOURCE	INJECTION PATTERN	ACTIVE WELLS 12/98 PROD.	INJ.	DATE OF FIRST INJECTION	INJECTION RATE, 12/98 m3/DAY	UNIT NAME
–	–	31	–	–	–	PARKMAN SOURIS VALLEY BEDS VOLUNTARY UNIT NO. 1
–	–	8	–	–	–	PARKMAN SOUTH TILSTON-SOURIS VALLEY VOL. UNIT NO. 1
PRODUCED WATER	INV. 9-SPOT	29	1	12-91	33	PINTO VOLUNTARY UNIT NO. 2
–	–	1	–	–	–	QUEENSVILLE WILLMAR KISBEY SAND VOLUNTARY UNIT
MANNVILLE	PERIPHERAL	14	3	10-87	72	RALPH MIDALE BEDS VOLUNTARY UNIT
PRODUCED WATER	INV. 9-SPOT	6	1	08-92	11	RALPH WEST MIDALE BEDS VOLUNTARY UNIT NO. 1
MANNVILLE	PERIPHERAL	7	2	06-88	31	ROCANVILLE BAKKEN VOLUNTARY UNIT NO. 1
SOURIS VALLEY	PERIPHERAL	18	6	07-97	206	ROCANVILLE BAKKEN SAND VOLUNTARY UNIT NO. 2
–	–	38	–	–	–	ROSEBANK FROBISHER-ALIDA BEDS VOLUNTARY UNIT NO. 1
–	–	7	–	–	–	ROSEBANK SOUTH ALIDA VOLUNTARY UNIT NO. 1
MANNVILLE	INV. 9-SPOT	12	2	02-83	65	SOUTH ALAMEDA UNIT
MANNVILLE	PERIPHERAL	6	1	11-92	388	SOUTH MACOUN WINNIPEGOSIS VOLUNTARY UNIT NO. 1
MANNVILLE	PERIPHERAL	10	0	02-65	0	SOUTH PINTO UNIT
–	–	3	–	–	–	STEELMAN FROBISHER BEDS VOLUNTARY UNIT NO. 1
–	–	–	–	–	–	STEELMAN FROBISHER BEDS VOLUNTARY UNIT NO. 2
MANNVILLE	INV. 9-SPOT	9	2	09-83	392	STEELMAN NORTH MIDALE VOLUNTARY UNIT NO. 1
MANNVILLE	INV. 9-SPOT	10	0	12-86	0	STEELMAN NORTH MIDALE VOLUNTARY UNIT NO. 2
MANNVILLE	INV. 9-SPOT	88	38	09-58	1 404	STEELMAN UNIT NO. IA
MANNVILLE	INV. 9-SPOT	66	13	02-62	2 021	STEELMAN UNIT NO. II
MANNVILLE	INV. 9-SPOT	59	18	01-62	1 722	STEELMAN UNIT NO. III
MANNVILLE	INV. 9-SPOT	81	32	02-62	1 153	STEELMAN UNIT NO. IV
MANNVILLE	INV. 9-SPOT	18	9	02-62	155	STEELMAN UNIT NO. V
MANNVILLE	INV. 9-SPOT	86	38	02-62	2 302	STEELMAN UNIT NO. VI
MANNVILLE	INV. 9-SPOT	8	2	10-62	30	STEELMAN UNIT NO. VII
MANNVILLE	INV. 9-SPOT	7	2	12-93	122	STEELMAN VOLUNTARY UNIT NO. 8
MANNVILLE	PERIPHERAL	4	1	04-96	156	STEELMAN WINNIPEGOSIS VOLUNTARY UNIT NO. 1
PRODUCED WATER	LINE DRIVE	8	6	12-97	195	STORTHOAKS ALIDA VOLUNTARY UNIT NO. 1
RAVENSCRAG	PERIPHERAL	0	0	06-88	0	TABLELAND VOLUNTARY UNIT NO. 1
–	–	4	–	–	–	VIEWFIELD FROBISHER VOLUNTARY UNIT NO. 2
PRODUCED WATER	PERIPHERAL	4	–	11-86	–	VIEWFIELD VOLUNTARY UNIT NO.1
MANNVILLE	INV. 9-SPOT	25	11	05-61	1 246	WEST CARNDUFF UNIT
MANNVILLE	INV. 9-SPOT	651	162	04-64	27 502	WEYBURN UNIT
PRODUCED WATER	INV. 9-SPOT	4	0	03-88	0	WEYBURN MIDALE BEDS VOLUNTARY UNIT NO. 2
MANNVILLE	INV. 5-SPOT	2	1	05-88	26	WEYBURN MIDALE BEDS VOLUNTARY UNIT NO. 3
MANNVILLE	INV. 9-SPOT	5	4	06-88	101	WEYBURN MIDALE BEDS VOLUNTARY UNIT NO. 4
MANNVILLE	INV. 9-SPOT	12	6	06-88	156	WEYBURN MIDALE BEDS VOLUNTARY UNIT NO. 5
MANNVILLE	INV. 9-SPOT	5	1	06-88	38	WEYBURN MIDALE BEDS VOLUNTARY UNIT NO. 6
MANNVILLE	INV. 9-SPOT	11	4	06-88	79	WEYBURN MIDALE BEDS VOLUNTARY UNIT NO. 7
MANNVILLE	INV. 9-SPOT	2	1	06-89	30	WEYBURN MIDALE BEDS VOLUNTARY UNIT NO. 8
PRODUCED WATER	PERIPHERAL	3	1	08-90	28	WEYBURN MIDALE BEDS VOLUNTARY UNIT NO. 9
MANNVILLE	PERIPHERAL	9	1	12-96	306	WEYBURN MIDALE BEDS VOLUNTARY UNIT NO. 10
MANNVILLE	INV. 9-SPOT	25	6	02-68	599	WILLMAR FROBISHER-ALIDA VOLUNTARY UNIT NO. 1
MANNVILLE	INV. 9-SPOT	4	1	12-93	70	WILLMAR NORTH FROB-ALIDA BEDS VOLUNTARY UNIT NO. 1
MANNVILLE	INV. 9-SPOT	22	8	06-67	332	WORKMAN-FROBISHER VOLUNTARY UNIT NO. 1
PRODUCED WATER	INV. 9-SPOT	15	1	07-92	89	WORKMAN FROBISHER VOLUNTARY UNIT NO. 2
MANNVILLE	INV. 9-SPOT	2	1	04-68	16	WORKMAN-MIDALE VOLUNTARY UNIT NO. 1
MANNVILLE	PERIPHERAL	5	1	09-68	104	WORKMAN-MIDALE VOLUNTARY UNIT NO. 2
–	–	20	–	–	–	WORKMAN VOLUNTARY UNIT NO. 3

NON-UNIT ENHANCED RECOVERY PROJECTS

Pool Name / EOR Project Type	Operator / Water Source	Producing Zones / Injection Pattern	Approved / 1st Injection	Revised / SEM File #
AREA I				
Bolney Colony Sand	Marathon Canada	Colony Sand	10-Jan-96	12-Feb-98
SAGD Process	Surface Water	N/A	Mar-96	PM1024
Celtic G.P. Sand	Mobil Oil Canada	G.P. Sand	06-Feb-96	28-Oct-97
SAGD Process	Surface Water	N/A	Jun-96	PM1030
Edam Waseca Sand (and Sparky Sand)	Marathon Canada	Waseca, Sparky	22-Aug-96	07-Aug-97
SAGD Process (Suspended)	Surface Water	N/A	Sep-96	PM1071
Evesham North McLaren Sand	Talisman Energy	McLaren Sand	25-Jul-89	
Pilot Waterflood (Suspended)	Produced Water	Irregular	Dec-89	PM716
Eyehill North Sparky Sand	Renaissance Energy	Sparky Sand	28-Feb-92	
Waterflood	Produced Water	Peripheral	Apr-92	PM816
Macklin Sparky Sand	PanCanadian	Sparky Sand	26-May-88	12-Sep-95
Waterflood	Produced Water	Inv. 9-Spot	Jun-88	PM685
Manito Lake Sparky Sand	Petrovera Resources	Sparky Sand	24-Jun-92	29-Sep-93
Waterflood	Produced Water	Peripheral	Jun-92	PM829
Neilburg McLaren Sand	Fletcher Challenge	McLaren Sand	11-Apr-94	
Pilot Waterflood	Produced Water	Inv. 5-Spot	Jun-95	PM903
Pikes Peak Waseca Sand	Husky Oil	Waseca Sand	10-Jun-81	05-Mar-98
Steamflood/Steam Stimulation	Surface Water	N/A	Jul-81	PM537
Salt Lake Lloydminster Sand	Renaissance Energy	Lloydminster Sand	13-Jun-88	25-Sep-97
Waterflood	Mannville	Line Drive	Jun-88	PM690
Senlac Cummings/Dina Sand	PanCanadian	Cummings/Dina	26-May-95	02-Mar-98
SAGD Process	Belly River	N/A	Mar-96	PM969
Senlac Lloydminster Sand	Wascana Energy	Lloydminster Sand	23-Mar-88	09-Dec-98
Waterflood	Mannville	Irregular	Jul-88	PM670
Silverdale Sparky Sand	Marathon Canada	Sparky Sand	27-Jun-84	07-Feb-96
Water Alternating Gas	Sparky Sand	N/A	Dec-85	PM561
Tangleflags North Lloyd/Cummings Sand	Canadian Natural	Lloyd/Cummings	21-Jul-87	22-Nov-96
Steamflood/Horizontal Wells	Surface Water	N/A	Jun-88	PM645
Tangleflags Lloyd/Cummings Sand	Canadian Natural	Lloyd/Cummings	07-May-96	22-Nov-96
SAGD Process	Surface Water	N/A	Feb-97	PM968
AREA II				
Buffalo Coulee Bakken Sand	Petrovera Resources	Bakken Sand	28-Nov-69	06-Jan-95
Waterflood	Belly River	Inv. 9-Spot	Jul-69	PM522

NON-UNIT ENHANCED RECOVERY PROJECTS

Pool Name	Operator	Producing Zones	Approved	Revised
EOR Project Type	Water Source	Injection Pattern	1st Injection	SEM File #
Buffalo Coulee Bakken Sand	Danoil Energy Inc.	Bakken Sand	23-Nov-79	11-Dec-96
Waterflood	Belly River	Inv. 9-Spot	Aug-80	PM521
Buffalo Coulee North Bakken Sand	Wascana Energy	Bakken Sand	28-Jun-88	30-Apr-97
Waterflood	Belly River	Inv. 9-Spot	Jun-88	PM695
Cactus Lake North McLaren Sand	Murphy Oil Company	McLaren Sand	14-Oct-94	
SAGD Process	Ribstone Creek	N/A	Jan-95	PM823
Cactus Lake North McLaren Sand	Murphy Oil Company	McLaren Sand	24-Oct-94	
SAGD Process	Ribstone Creek	N/A	Mar-95	PM938
Coleville Bakken	Petrovera Resources	Bakken Sand	18-Dec-58	06-Nov-97
Waterflood	Belly River	Inv. 5 & 9-Spot	Jan-59	PM37
Court Bakken Sand	Wascana Energy	Bakken Sand	21-Dec-95	15-Nov-96
Waterflood	Ribstone Creek	Peripheral	Jan-96	PM1016
Court Bakken Sand	Wascana Energy	Bakken Sand	18-Aug-98	
Waterflood	Ribstone Creek	Inv. 9-Spot	Oct-98	PM1247
Court South Bakken Sand	Union Pacific	Bakken Sand	26-Sep-95	16-Jan-98
Waterflood	Ribstone Creek	Inv. 7-Spot	Feb-96	PM996
Dodsland Viking Sand	Maximum Energy	Viking Sand	11-Jul-96	
Waterflood	Belly River	Inv. 9-Spot	Nov-96	PM1066
Dodsland Viking Sand	Timberwolf Resources	Viking Sand	04-Dec-85	
Waterflood	B. River & Deadwood	Inv. 9-Spot	Oct-87	PM622
Dodsland Viking Sand	Enerplus Resources	Viking Sand	21-Oct-97	
Waterflood	Belly River	Part. Inv. 15-Spot	Dec-97	PM1186
Hearts Hill Bakken Sand	Renaissance Energy	Bakken Sand	02-Nov-89	
Waterflood (Suspended)	Produced Water	Peripheral	Jun-88	PM724
Hearts Hill Bakken Sand	Petrovera Resources	Bakken Sand	01-Dec-97	
Waterflood	Produced Water	Peripheral	Apr-98	PM1082
Kerrobert Area - Waseca Sand	Petrovera Resources	Waseca Sand	28-Apr-97	
SAGD Process	Belly River	N/A	Aug-97	PM1131
Kerrobert Viking Sand	NCE Resources	Viking Sand	03-Dec-85	13-Oct-88
Waterflood	Duperow	Inv. 5-Spot	Mar-86	PM620
Luseland Bakken Sand	Wascana Energy	Bakken Sand	30-Jun-89	
Pilot Waterflood	Produced Water	Inv. 9-Spot	Aug-89	PM715
Mantario East Basal Mannville Sand	Crestar Energy	Basal Mannville	27-May-98	
Waterflood	Belly River/Viking	Peripheral	Jun-98	PM1242
Mantario North Basal Mannville Sand	Crestar Energy	Basal Mannville	11-Apr-97	
Waterflood	Belly River/Viking	Peripheral	Jul-97	PM1127

NON-UNIT ENHANCED RECOVERY PROJECTS

Pool Name / EOR Project Type	Operator / Water Source	Producing Zones / Injection Pattern	Approved 1st Injection	Revised SEM File #
Marengo South Basal Mannville Sand	Crestar Energy	Basal Mannville	12-Nov-93	21-Nov-97
Waterflood	Belly River	Inv. 9-Spot	Feb-93	PM843
Marengo South Basal Mannville Sand	Wascana Enegy	Basal Mannville	03-Jul-96	16-Dec-98
Pilot Waterflood	Prod. Water & Belly R.	Peripheral	May-97	PM1064
Plover Lake Bakken Sand	Wascana Energy	Bakken Sand	29-Aug-90	15-Aug-97
Steamflood/Horiz. Wells	Ribstone Creek	N/A	Feb-90	PM757
Smiley-Dewar Viking	Imperial Oil	Viking Sand	22-Sep-61	21-Nov-95
Waterflood	Belly River	Inv. 9-Spot	Feb-62	PM152
Verendrye Viking Sand	ISH Energy	Viking Sand	09-Jan-96	01-Oct-97
Pilot Waterflood	Produced Water	Peripheral	Feb-96	PM1022
AREA III				
Antelope Cantuar Sand	Renaissance Energy	Cantuar Sand	02-Jul-97	
Waterflood	Roseray	Peripheral	Sep-96	PM1150
Antelope Lake North Cantuar Sand	Renaissance Energy	Cantuar Sand	20-Mar-96	
Waterflood	Mannville	Peripheral	Apr-96	PM1041
Antelope Lake North Success-Roseray Sand	Renaissance Energy	Success-Roseray	16-Feb-96	14-Mar-97
Waterflood	Mannville	Peripheral	Mar-96	PM1031
Antelope Lake Roseray Sand	Cypress Energy	Roseray Sand	30-Nov-98	
Waterflood	Produced Water	Peripheral	Feb-98	PM1257
Bench Upper Shaunavon	Renaissance Energy	Upper Shaunavon	07-Apr-95	
Pilot Waterflood	Madison	Inv. 5-Spot	Aug-95	PM958
Bench Upper Shaunavon	Renaissance Energy	Upper Shaunavon	12-Mar-96	03-Oct-97
Waterflood	Madison	Inv. 9-Spot	May-96	PM1034
Butte Upper Shaunavon	Talisman Energy	Upper Shaunavon	24-Jul-96	29-Oct-96
Waterflood	Prod. Water & Belly R.	Inv. 9-Spot	Feb-97	PM1069
Butte Upper Shaunavon	Renaissance Energy	Upper Shaunavon	02-May-96	19-Jul-96
Waterflood	Roseray Sand	Inv. 9-Spot	Aug-96	PM1052
Butte Upper Shaunavon	Renaissance Energy	Upper Shaunavon	07-Nov-97	04-May-98
Waterflood	Madison	Inv. 9-Spot	Apr-98	PM1199
Butte Upper Shaunavon	Renaissance Energy	Upper Shaunavon	23-Dec-97	
Waterflood	Madison	Inv. 9-Spot	Apr-98	PM1212
Butte West Upper Shaunavon	Renaissance Energy	Upper Shaunavon	10-Sep-93	
Waterflood	Madison	Peripheral	Oct-94	PM876
Chambery Upper Shaunavon	Renaissance Energy	Upper Shaunavon	10-Mar-97	
Waterflood	Mannville	Peripheral	May-97	PM1046

NON-UNIT ENHANCED RECOVERY PROJECTS

Pool Name / EOR Project Type	Operator / Water Source	Producing Zones / Injection Pattern	Approved / 1st Injection	Revised / SEM File #
Covington West Upper Shaunavon	Renaissance Energy	Upper Shaunavon	08-Jul-96	19-Feb-98
Waterflood	Madison	Inv. 9-Spot	Oct-96	PM1028
Covington West Upper Shaunavon	Renaissance Energy	Upper Shaunavon	22-Oct-97	22-May-98
Waterflood	Madison	Inv. 9-Spot	Oct-97	PM1181
Gardenhead South Upper Shaunavon	Renaissance Energy	Upper Shaunavon	17-Feb-95	
Waterflood	Madison	Peripheral	Mar-95	PM944
Gull Lake Basal Cantuar Sand	Renaissance Energy	Basal Cantuar Sand	03-Jul-97	
Waterflood	Roseray Sand	Inv. 9-Spot	Aug-97	PM1151
Gull Lake Roseray Sand	Renaissance Energy	Roseray Sand	29-May-96	
Waterflood	Produced Water	Peripheral	Aug-96	PM1057
Java Cantuar Sand	Renaissance Energy	Cantuar Sand	27-Jun-84	
Waterflood	Mannville	Peripheral	Jul-84	PM562
Java North Cantuar Sand	Renaissance Energy	Cantuar Sand	22-Oct-97	13-May-98
Waterflood	Roseray Sand	Peripheral	Dec-97	PM1187
North Premier Upper Shaunavon	Talisman Energy	Upper Shaunavon	02-Jun-94	
Waterflood	Mannville	Peripheral	Sep-94	PM913
Rapdan South Upper Shaunavon	Cypress Energy	Upper Shaunavon	26-Jul-93	
Waterflood	Produced Water	Inv. 5-Spot	Feb-94	PM869
Suffield Basal Cantuar Sand	Renaissance Energy	Basal Cantuar Sand	16-Mar-98	
Waterflood	Produced Water	Inv. 9-Spot	Apr-98	PM1139
Suffield Roseray Sand	Renaissance Energy	Roseray Sand	29-Sep-95	09-Jun-98
Waterflood	Belly River	Peripheral	Mar-96	PM997
Webb Cantuar Sand	Renaissance Energy	Cantuar Sand	29-Apr-96	15-May-98
Waterflood	Roseray Sand	Inv. 9-Spot	Mar-96	PM1051
Webb South Cantuar Sand	Renaissance Energy	Cantuar Sand	03-Jun-96	09-Jan-98
Waterflood	Roseray Sand	Peripheral	Jul-96	PM1058
Webb West Cantuar Sand	Renaissance Energy	Cantuar Sand	28-Nov-97	
Waterflood	Roseray Sand	Inv. 9-Spot	Mar-98	PM1176
Whitemud Shaunavon	Renaissance Energy	Shaunavon	23-May-95	06-Feb-97
Waterflood	Mannville	Inv. 9-Spot	Jun-95	PM956
AREA IV				
Benson East Midale Beds	Founders Energy	Midale Beds	23-Sep-87	
Waterflood	Mannville	Inv. 9-Spot	Dec-87	PM652
Bryant Midale Beds	Enerplus Resources	Midale Beds	17-Feb-94	
Waterflood	Mannville	Inv. 9-Spot	Sep-94	PM896

NON-UNIT ENHANCED RECOVERY PROJECTS

Pool Name	Operator	Producing Zones	Approved	Revised
EOR Project Type	Water Source	Injection Pattern	1st Injection	SEM File #
Clarilaw Frobisher-Alida Beds	Upton Resources Inc.	Frobisher-Alida	06-Sep-96	
Waterflood	Produced Water	Peripheral	Jan-97	PM1077
Elswick Midale Beds	Numac Energy Inc.	Midale Beds	10-Jun-87	23-Apr-97
Waterflood	Mannville	Inv. 9-Spot	Dec-87	PM644
Elswick Midale Beds	Numac Energy Inc.	Midale Beds	20-Jan-98	
Waterflood	Mannville	Peripheral	Feb-98	PM1222
Glen Ewen Frobisher Beds	Wascana Energy	Frobisher	26-Feb-93	
Waterflood	Produced Water	Peripheral	Sep-93	PM853
Hummingbird South Bakken Sand	Northrock Resources	Bakken Sand	16-Apr-98	
Pilot Waterflood	Mannville	Peripheral	May-98	PM1232
Hummingbird South Ratcliffe Beds	Northrock Resources	Ratcliffe Beds	04-Mar-98	
Pilot Waterflood	Mannville	Peripheral	May-98	PM1233
Red Jacket Sand	Renaissance Energy	Red Jacket Sand	03-Feb-98	
Waterflood	Produced Water	Peripheral	Dec-97	PM1227
Roncott Bakken Sand	Storm Energy Inc.	Bakken Sand	07-Mar-95	
Pilot Waterflood	Mannville	Peripheral	Jul-95	PM954
Tatagwa North Midale Beds	Tappit Resources Ltd.	Midale Beds	08-Apr-93	
Waterflood	Produced Water	Irregular	Apr-93	PM857
Weyburn Midale Beds	Wascana Energy	Midale Beds	13-Jun-88	
Waterflood	Mannville	Inv. 9-Spot	Jun-88	PM689
Weyburn Midale Beds	PanAtlas Energy	Midale Beds	16-Oct-96	
Waterflood	Mannville	Peripheral	Dec-96	PM1085
Weyburn Midale Beds	Richland Petroleum	Midale Beds	17-May-96	
Waterflood	Produced Water	Peripheral	Feb-97	PM1055

Note: SAGD = Steam Assisted Gravity Drainage

DEVELOPMENT DATA - OIL POOLS

POOL NAME	NATURAL DEPLETION MECHANISM	ENHANCED RECOVERY PROJECTS	SPACING REGULATIONS * DRAINAGE UNITS, LSDS	TARGET AREA
ABERFELDY G.P. SAND	SOLUTION GAS DRIVE	CONDUCTION HEATING	1	SE 1/4 OF LSD.
ABERFELDY SPARKY SAND	SOLUTION GAS DRIVE WATER DRIVE PART. GAS CAP DRIVE	WATERFLOOD IN: 1: ABERFELDY UNIT (SUSPENDED) 2: SOUTH ABERFELDY SPARKY VOL. UNIT (SUSPENDED) IN-SITU WET COMBUSTION IN: ABERFELDY UNIT (SUSPENDED) STEAMFLOOD IN: ABERFELDY UNIT (SUSPENDED)	1	SE 1/4 OF LSD, EXCEPT: A: TWP 49, RGE 26, SEC: NW 1/4 OF 4, N 1/2 OF 5, 8, 9, W 1/2 OF 10, SW 1/4 OF 15, 16, 17, E 1/2 & NW 1/4 OF 18, 20, 21, 28, 29; TWP 48, RGE 27, SEC: N 1/2 OF 35, NW 1/4 OF 36; TWP 49, RGE 27, SEC: 1, 2, 11, 12; WHERE:
			1	NW 1/4 OF LSD; B: TWP 49, RGE 27, SEC: 14, 15, NE 1/4 OF 16, E 1/2 OF 21, 22, 23, 27, 28, 33, 34; WHERE:
			1	NE 1/4 OF LSD.
ALAMEDA EAST FROBISHER BEDS	WATER DRIVE	NONE	2	EVEN NUMBERED LSD, EXCEPT: TWP 4, RGE 2, SEC: 10, NW 1/4 OF 11, S 1/2 & NE 1/4 OF 15; WHERE:
			2	ODD NUMBERED LSD.
ALAMEDA MIDALE BEDS	SOLUTION GAS DRIVE	WATERFLOOD IN: 1: ALAMEDA CENTRAL UNIT 2: ALAMEDA EAST UNIT 3: NORTH ALAMEDA UNIT 4: SOUTH ALAMEDA UNIT 5: ALAMEDA MIDALE VOL. UNIT NO. 1	2	ODD NUMBERED LSD.
ALAMEDA WEST FROBISHER BEDS	WATER DRIVE	NONE	2	ODD NUMBERED LSD.
ALAMEDA WEST MIDALE BEDS	SOLUTION GAS DRIVE	WATERFLOOD IN: ALAMEDA WEST VOL. UNIT NO. 1	2	ODD NUMBERED LSD.
ALIDA EAST FROBISHER-ALIDA BEDS	WATER DRIVE	NONE	1	CENTER OF LSD, EXCEPT: TWP 5, RGE 33, SEC: 26, 27, 28, S 1/2 OF 33, S 1/2 & NW 1/4 OF 34; TWP 6, RGE 33, SEC: SW 1/4 OF 3; WHERE:
			2	EVEN NUMBERED LSD.
ALIDA NORTH ALIDA BEDS	WATER DRIVE	NONE	1	CENTER OF LSD.
ALIDA WEST FROBISHER-ALIDA BEDS	WATER DRIVE	NONE	1	CENTER OF LSD.
ALTAMONT BASAL MANNVILLE SAND	SOLUTION GAS DRIVE	NONE	1	CENTER OF LSD, EXCEPT: TWP 29, RGE 29, SEC: NW 1/4 OF 10, W 1/2 OF 15, SW 1/4 OF 22; WHERE: SEE POOL REGULATIONS CONCERNING PARTIAL LEGAL SUBDIVISIONS.
AMULET RATCLIFFE BEDS	WATER DRIVE	NONE	2	ODD NUMBERED LSD.
ANTELOPE CANTUAR SAND	SOLUTION GAS DRIVE	WATERFLOOD	1	CENTER OF LSD.
ANTELOPE LAKE EAST ROSERAY SAND	SOLUTION GAS DRIVE	WATERFLOOD	2	ODD NUMBERED LSD.
ANTELOPE LAKE NORTH CANTUAR SAND	SOLUTION GAS DRIVE	WATERFLOOD	2	ODD NUMBERED LSD.
ANTELOPE LAKE NORTH SUCCESS-ROSERAY SAND	SOLUTION GAS DRIVE	WATERFLOOD	1	CENTER OF LSD.
ANTELOPE LAKE ROSERAY SAND	PARTIAL WATER DRIVE	NONE	1	CENTER OF LSD.
ANTELOPE LAKE SOUTH ROSERAY SAND	SOLUTION GAS DRIVE	NONE	1	CENTER OF LSD.
ANTELOPE LAKE UPPER SHAUNAVON	SOLUTION GAS DRIVE	WATERFLOOD IN: ANTELOPE LAKE UPPER SHAUNAVON VOLUNTARY UNIT	1	CENTER OF LSD.
ARCOLA FROBISHER-ALIDA BEDS	WATER DRIVE	NONE	1	CENTER OF LSD.
ARCOLA NORTH ALIDA BEDS	WATER DRIVE	NONE	2	ODD NUMBERED LSD.
ARCOLA SOUTH FROBISHER-ALIDA BEDS	WATER DRIVE	NONE	2	EVEN NUMBERED LSD.
AUBURNTON FROBISHER-ALIDA BEDS	WATER DRIVE	NONE	1	CENTER OF LSD.

DEVELOPMENT DATA - OIL POOLS

POOL NAME	NATURAL DEPLETION MECHANISM	ENHANCED RECOVERY PROJECTS	SPACING REGULATIONS * DRAINAGE UNITS, LSDS	TARGET AREA
AVON HILL VIKING	SOLUTION GAS DRIVE	WATERFLOOD IN: AVON HILL VIKING VOL. UNIT (SUSP)	1	CENTER OF LSD.
BALDWINTON SPARKY SAND	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD.
BATTLE CREEK MADISON	WATER DRIVE	NONE	2	EVEN NUMBERED LSD.
BATTLE CREEK SOUTH UPPER SHAUNAVON	SOLUTION GAS DRIVE	NONE	2	ODD NUMBERED LSD.
BATTLE CREEK UPPER SHAUNAVON	PARTIAL WATER DRIVE	NONE	2	EVEN NUMBERED LSD.
BATTRUM EAST ROSERAY SAND	SOLUTION GAS DRIVE	WATERFLOOD	1	CENTER OF LSD.
BATTRUM NORTH ROSERAY SAND	SOLUTION GAS DRIVE	NONE	1	CENTER OF LSD.
BATTRUM ROSERAY SAND	SOLUTION GAS DRIVE PARTIAL WATER DRIVE	IN-SITU WET COMBUSTION IN: 1: BATTRUM UNIT NO. 1 2: BATTRUM UNIT NO. 2 3: BATTRUM VOL. UNIT NO. 3 WATERFLOOD IN: 1: BATTRUM UNIT NO. 1 2: BATTRUM VOL. UNIT NO. 3 3: BATTRUM UNIT NO. 4 4: BATTRUM VOL. UNIT NO. 5	1 2 2	CENTER OF LSD, EXCEPT: A: TWP 18, RGE 16, SEC: 30; TWP 18, RGE 17, SEC: 25, 26, E 1/2 OF 27, NE 1/4 OF 33, 34, 35, SE 1/4 & W 1/2 OF 36; WHERE: EVEN NUMBERED LSD; B: TWP 19, RGE 17, SEC: 1, S 1/2 OF 2; WHERE: ODD NUMBERED LSD.
BELLEGARDE TILSTON BEDS	WATER DRIVE	NONE	2	EVEN NUMBERED LSD.
BENCH UPPER SHAUNAVON	SOLUTION GAS DRIVE	WATERFLOOD IN: BENCH VOL. UNIT NO.1	2	ODD NUMBERED LSD.
BENDER CENTRAL TILSTON BEDS	WATER DRIVE	NONE	2	ODD NUMBERED LSD.
BENDER SOUTH TILSTON BEDS	WATER DRIVE	NONE	2	ODD NUMBERED LSD.
BENDER TILSTON BEDS	WATER DRIVE	NONE	2	ODD NUMBERED LSD.
BENNETT LAKE ALIDA BEDS	WATER DRIVE	NONE	2	ODD NUMBERED LSD.
BENSON EAST MIDALE BEDS	SOLUTION GAS DRIVE	WATERFLOOD	2	ODD NUMBERED LSD.
BENSON FROBISHER BEDS	WATER DRIVE	NONE	2	ODD NUMBERED LSD.
BENSON MIDALE BEDS	SOLUTION GAS DRIVE	WATERFLOOD IN: 1: BENSON UNIT 2: BENSON MIDALE BEDS VOLUNTARY UNIT NO. 1 3: BENSON MIDALE BEDS VOLUNTARY UNIT NO. 2 4: BENSON MIDALE BEDS VOLUNTARY UNIT NO. 3 5: BENSON MIDALE BEDS VOLUNTARY UNIT NO. 4 6: NORTHWEST BENSON MIDALE VOLUNTARY UNIT	2	ODD NUMBERED LSD.
BEVERLEY CANTUAR SAND	SOLUTION GAS DRIVE	WATERFLOOD IN: BEVERLEY CANTUAR VOL. UNIT NO. 1	2	EVEN NUMBERED LSD.
BEVERLEY EAST CANTUAR SAND	SOLUTION GAS DRIVE	WATERFLOOD IN: EAST BEVERLEY (JAVA) CANTUAR VOL. UNIT	2	ODD NUMBERED LSD.
BEVERLEY NORTH CANTUAR SAND	SOLUTION GAS DRIVE	WATERFLOOD IN: BEVERLEY NORTH CANTUAR VOLUNTARY UNIT NO. 1	1	CENTER OF LSD.
BEVERLEY ROSERAY SAND	SOLUTION GAS DRIVE GAS CAP DRIVE	WATERFLOOD IN: 1. BEVERLEY UNIT NO. 1 2. BEVERLEY VOL. UNIT NO. 2	1	CENTER OF LSD.
BIENFAIT MIDALE BEDS	WATER DRIVE	NONE	1	CENTER OF LSD.
BIG GULLY MCLAREN SAND	SOLUTION GAS DRIVE	WATERFLOOD IN: BIG GULLY VOLUNTARY UNIT NO. 1 (SUSPENDED)	1 1	NW 1/4 OF LSD, EXCEPT: TWP 50, RGE 25, SEC: NE 1/4 OF 7, N 1/2 OF 8, SW 1/4 OF 17, SE 1/4 OF 18; WHERE: NE 1/4 OF LSD.
BIG GULLY NORTH LLOYD. SAND	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD.

DEVELOPMENT DATA - OIL POOLS

POOL NAME	NATURAL DEPLETION MECHANISM	ENHANCED RECOVERY PROJECTS	SPACING REGULATIONS * DRAINAGE UNITS, LSDS	TARGET AREA
BIG GULLY WASECA SAND	SOLUTION GAS DRIVE	WATERFLOOD IN: BIG GULLY VOLUNTARY UNIT NO. 1 (SUSPENDED)	1	NW 1/4 OF LSD, EXCEPT: TWP 50, RGE 25, SEC: NE 1/4 OF 7, N 1/2 OF 8, SW 1/4 OF 17, SE 1/4 OF 18; WHERE: NE 1/4 OF LSD.
BIG MARSH LAKE TILSTON BEDS	WATER DRIVE	NONE	2	ODD NUMBERED LSD.
BOLNEY COLONY SAND	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD.
BONE CREEK UPPER SHAUNAVON	SOLUTION GAS DRIVE	WATERFLOOD IN: BONE CREEK UNIT	2	EVEN NUMBERED LSD, EXCEPT: TWP 11, RGE 18, SEC: W 1/2 OF 2, 3, E 1/2 OF 4; WHERE: ODD NUMBERED LSD.
BROMHEAD EAST RED RIVER	WATER DRIVE	NONE	2	ODD NUMBERED LSD.
BROMHEAD MIDALE BEDS	SOLUTION GAS DRIVE	NONE	4	NW LSD OF 1/4 SECTION.
BROUGH FROBISHER BEDS	WATER DRIVE	NONE	2	ODD NUMBERED LSD.
BROWNING FROBISHER-ALIDA BEDS	WATER DRIVE	NONE	1	CENTER OF LSD.
BROWNING NORTH FROB-ALIDA BEDS	WATER DRIVE	NONE	2	ODD NUMBERED LSD.
BRYANT FROBISHER BEDS	PARTIAL WATER DRIVE	NONE	4	NW LSD OF 1/4 SECTION, EXCEPT: TWP 5, RGE 7, SEC: 30; TWP 5, RGE 8, SEC: 22 TO 27, S 1/2 OF 36; WHERE: ODD NUMBERED LSD.
BRYANT MIDALE BEDS	SOLUTION GAS DRIVE	WATERFLOOD	4	NW LSD OF 1/4 SECTION, EXCEPT: TWP 5, RGE 7, SEC: 30; TWP 5, RGE 8, SEC: 22 TO 27, S 1/2 OF 36; WHERE: ODD NUMBERED LSD.
BUFFALO COULEE BAKKEN SAND	SOLUTION GAS DRIVE	WATERFLOOD	1/2	NE & SW 1/4 OF LSD.
BUFFALO COULEE N. BAKKEN SAND	SOLUTION GAS DRIVE	PILOT WATERFLOOD	1	SW 1/4 OF LSD.
BUFFALO HEAD BAKKEN SAND	SOLUTION GAS DRIVE	NONE	2	ODD NUMBERED LSD.
BUFFALO HEAD FROBISHER-ALIDA BEDS	WATER DRIVE	NONE	2	ODD NUMBERED LSD.
BUTTE UPPER SHAUNAVON	SOLUTION GAS DRIVE	WATERFLOOD IN: BUTTE VOLUNTARY UNIT	2	ODD NUMBERED LSD.
BUTTE WEST UPPER SHAUNAVON	SOLUTION GAS DRIVE	WATERFLOOD IN: 1. BUTTE WEST VOL. UNIT NO. 1 2. BUTTE WEST VOL. UNIT NO. 2	2	ODD NUMBERED LSD, EXCEPT: A: TWP 12, RGE 19, SEC: SW 1/4 OF 27, 34; WHERE: EVEN NUMBERED LSD; B: TWP 12, RGE 19, SEC: LSDS 3 & 4 OF 17, LSDS 9, 10, 15 & 16 OF 29, LSDS 7, 8, 15 & 16 OF 32; WHERE: CENTER OF LSD.
BUZZARD LLOYDMINSTER SAND	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD.
BUZZARD NORTH G.P. SAND	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD, EXCEPT: TWP 47, RGE 26, SEC: W 1/2 OF 26, 27, 34; WHERE: NW & SE 1/4 OF LSD.
BUZZARD NORTH LLOYDMINSTER SAND	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD, EXCEPT: TWP 47, RGE 26, SEC: W 1/2 OF 26, 27, 34; WHERE: NW & SE 1/4 OF LSD.
BUZZARD NORTH MANNVILLE SANDS	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD, EXCEPT: TWP 47, RGE 26, SEC: W 1/2 OF 26, 27, 34; WHERE: NW & SE 1/4 OF LSD.

DEVELOPMENT DATA - OIL POOLS

POOL NAME	NATURAL DEPLETION MECHANISM	ENHANCED RECOVERY PROJECTS	SPACING REGULATIONS * DRAINAGE UNITS, LSDS	TARGET AREA
BUZZARD NORTH SPARKY SAND	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD, EXCEPT: TWP 47, RGE 26, SEC: W 1/2 OF 26, 27, 34; WHERE:
			1/2	NW & SE 1/4 OF LSD.
BUZZARD NORTH WABECA SAND	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD, EXCEPT: TWP 47, RGE 26, SEC: W 1/2 OF 26, 27, 34; WHERE:
			1/2	NW & SE 1/4 OF LSD.
CACTUS LAKE BASAL MANNVILLE-BAKKEN SAND	SOLUTION GAS DRIVE	WATERFLOOD IN: 1: CACTUS LAKE VOL. UNIT NO. 1 2: CACTUS LAKE VOL. UNIT NO. 2	1	SE 1/4 OF LSD.
CACTUS LAKE NORTH MCLAREN SAND	PARTIAL WATER DRIVE	STEAMFLOOD, SAGD PROJECT	1	SE 1/4 OF LSD.
CANTAL FROBISHER-ALIDA BEDS	WATER DRIVE	NONE	1	CENTER OF LSD.
CANTAL SOUTH FROBISHER-ALIDA BEDS	WATER DRIVE	NONE	2	EVEN NUMBERED LSD.
CANTUAR EAST CANTUAR SAND	SOLUTION GAS DRIVE GAS CAP DRIVE	WATERFLOOD IN: EAST CANTUAR UNIT NO. 1 GAS STORAGE IN: EAST CANTUAR GAS UNIT	1	SW 1/4 OF LSD.
CANTUAR EAST LOWER SHAUNAVON	PARTIAL WATER DRIVE	NONE	2	EVEN NUMBERED LSD.
CANTUAR EAST ROSERAY SAND	SOLUTION GAS DRIVE GAS CAP DRIVE	WATERFLOOD IN: 1: EAST CANTUAR UNIT NO. 1 2: EAST CANTUAR UNIT NO. 2 GAS STORAGE IN: EAST CANTUAR GAS UNIT	1	SW 1/4 OF LSD.
CANTUAR ROSERAY SAND	PARTIAL WATER DRIVE	WATERFLOOD IN: CANTUAR UNIT	1	SW 1/4 OF LSD.
CANTUAR MAIN CANTUAR SAND	SOLUTION GAS DRIVE GAS CAP DRIVE	WATERFLOOD IN: CANTUAR UNIT	1	SW 1/4 OF LSD.
CANTUAR NORTH ROSERAY SAND	SOLUTION GAS DRIVE	NONE	2	ODD NUMBERED LSD.
CARLYLE ALIDA BEDS	WATER DRIVE	NONE	1	CENTER OF LSD.
CARLYLE SOUTH LOWER WATROUS	WATER DRIVE	NONE	2	EVEN NUMBERED LSD.
CARNDUFF FROBISHER BEDS	WATER DRIVE	NONE	2	ODD NUMBERED LSD, EXCEPT: A: TWP 3, RGE 33, SEC: W 1/2 OF 5, 6; TWP 3, RGE 34, SEC: 1, 2, E 1/2 OF 3, E 1/2 OF 10, 11, W 1/2 OF 12, W 1/2 OF 14, E 1/2 OF 15; WHERE:
			2	EVEN NUMBERED LSD; B: TWP 2, RGE 34, SEC: W 1/2 OF 20, W 1/2 OF 29, W 1/2 OF 32; TWP 3, RGE 34, SEC: W 1/2 OF 3, 4, 9, W 1/2 OF 10, W 1/2 OF 15, 16; WHERE: SEE POOL REGULATIONS REGARDING PARTIAL SECTIONS.
CARNDUFF MIDALE BEDS	SOLUTION GAS DRIVE	WATERFLOOD IN: 1: WEST CARNDUFF UNIT 2: EAST CARNDUFF UNIT 3: CARNDUFF VOL. UNIT NO. 1 4: CARNDUFF VOL. UNIT NO. 2 5: CARNDUFF VOL. UNIT NO. 3 6: CARNDUFF S. MIDALE VOL UNIT	2	ODD NUMBERED LSD, EXCEPT: A: TWP 3, RGE 33, SEC: NE 1/4 & W 1/2 OF 4, 5, 6, 7, 8, 9, 16, 17, S 1/2 OF 18; TWP 3, RGE 34, SEC: 1, 2, E 1/2 OF 3, 11, 12, S 1/2 OF 13; WHERE:
			2	EVEN NUMBERED LSD; B: TWP 2, RGE 34, SEC: NW 1/4 OF 17, W 1/2 OF 20, W 1/2 OF 29, W 1/2 OF 32; TWP 3, RGE 34, SEC: W 1/2 OF 3, 4; WHERE: SEE POOL REGULATIONS REGARDING PARTIAL SECTIONS.

DEVELOPMENT DATA - OIL POOLS

POOL NAME	NATURAL DEPLETION MECHANISM	ENHANCED RECOVERY PROJECTS	SPACING REGULATIONS * DRAINAGE UNITS, LSDS	TARGET AREA
CARRUTHERS CUMMINGS SAND	PARTIAL WATER DRIVE	NONE	1	SE 1/4 OF LSD, EXCEPT: TWP 45, RGE 23, SEC: LSDS 3, 4, 5, 6, 11 & 12 OF 34; TWP 46, RGE 23, SEC: SW 1/4 OF 2; WHERE:
			1/2	NW & SE 1/4 OF LSD.
CELTIC G.P. SAND	SOLUTION GAS DRIVE	SAGD PROCESS	1	SE 1/4 OF LSD, EXCEPT: TWP 51, RGE 22, SEC: LSD 10 OF 30; TWP 51, RGE 23, SEC: LSD 12 OF 28, LSD 9 OF 29, LSDS 10, 11, 14 & 15 OF 34, LSDS 5, 6 & NW 1/4 OF 35; TWP 52, RGE 22, SEC: LSD 2 OF 3, LSDS 6, 7 & 8 OF 4, 16; WHERE:
			1/2	NW & SE 1/4 OF LSD.
CELTIC MANNVILLE SANDS	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD, EXCEPT: TWP 51, RGE 22, SEC: LSD 10 OF 30; TWP 51, RGE 23, SEC: LSD 12 OF 28, LSD 9 OF 29, LSDS 10, 11, 14 & 15 OF 34, LSDS 5, 6 & NW 1/4 OF 35; TWP 52, RGE 22, SEC: LSD 2 OF 3, LSDS 6, 7 & 8 OF 4, 16; WHERE:
			1/2	NW & SE 1/4 OF LSD.
CELTIC SPARKY SAND	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD, EXCEPT: TWP 51, RGE 22, SEC: LSD 10 OF 30; TWP 51, RGE 23, SEC: LSD 12 OF 28, LSD 9 OF 29, LSDS 10, 11, 14 & 15 OF 34, LSDS 5, 6 & NW 1/4 OF 35; TWP 52, RGE 22, SEC: LSD 2 OF 3, LSDS 6, 7 & 8 OF 4, 16; WHERE:
			1/2	NW & SE 1/4 OF LSD.
CELTIC WASECA SAND	SOLUTION GAS DRIVE	PILOT INTERMITTENT STEAM INJECTION (SUSPENDED)	1	SE 1/4 OF LSD, EXCEPT: TWP 51, RGE 22, SEC: LSD 10 OF 30; TWP 51, RGE 23, SEC: LSD 12 OF 28, LSD 9 OF 29, LSDS 10, 11, 14 & 15 OF 34, LSDS 5, 6 & NW 1/4 OF 35; TWP 52, RGE 22, SEC: LSD 2 OF 3, LSDS 6, 7 & 8 OF 4, 16; WHERE:
			1/2	NW & SE 1/4 OF LSD.
CEYLON BAKKEN SAND	SOLUTION GAS DRIVE	NONE	2	ODD NUMBERED LSD.
CHAMBERY UPPER SHAUNAVON	SOLUTION GAS DRIVE	WATERFLOOD	2	ODD NUMBERED LSD.
CLARILAW EAST FROBISHER-ALIDA BEDS	WATER DRIVE	NONE	2	ODD NUMBERED LSD.
CLARILAW FROBISHER-ALIDA BEDS	SOLUTION GAS DRIVE	WATERFLOOD	2	ODD NUMBERED LSD.
CLARILAW WEST FROBISHER-ALIDA BEDS	WATER DRIVE	NONE	1	CENTER OF LSD.
CLINTONVILLE SHAUNAVON	SOLUTION GAS DRIVE	NONE	2	ODD NUMBERED LSD.
COLEVILLE BAKKEN SAND	SOLUTION GAS DRIVE	WATERFLOOD	1/2	NE & SW 1/4 OF LSD.
COLEVILLE MANNVILLE SAND	SOLUTION GAS DRIVE	NONE	1	SW 1/4 OF LSD.
COLEVILLE SOUTH BAKKEN SAND	SOLUTION GAS DRIVE	WATERFLOOD IN: COLEVILLE S. BAKKEN VOL. UNIT	1/2	NE & SW 1/4 OF LSD.
COLEVILLE SOUTH MANNVILLE SAND	SOLUTION GAS DRIVE	NONE	1	NE 1/4 OF LSD.
COLEVILLE SOUTH SUCCESS	PARTIAL WATER DRIVE	NONE	1	NE 1/4 OF LSD, EXCEPT: TWP 31, RGE 23, SEC: LSD 2 OF 24; WHERE:
			1/2	NE & SW 1/4 OF LSD.
COLEVILLE WEST BAKKEN SAND	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD.
COLGATE MIDALE BEDS	SOLUTION GAS DRIVE	NONE	1	CENTER OF LSD.

DEVELOPMENT DATA - OIL POOLS

POOL NAME	NATURAL DEPLETION MECHANISM	ENHANCED RECOVERY PROJECTS	SPACING REGULATIONS * DRAINAGE UNITS, LSDS	TARGET AREA
COOTHILL RED JACKET SAND	SOLUTION GAS DRIVE	NONE	1/4	EACH QUADRANT OF LSD.
COSINE LAKE LLOYDMINSTER SAND	GAS CAP DRIVE	NONE	1	SE 1/4 OF LSD, EXCEPT: TWP 37, RGE 28, SEC: LSDS 4,5,12 & 13 OF 7, LSDS 4,5,12 & 13 OF 18, LSDS 4,5,12 & 13 OF 19; TWP 37, RGE 29, SEC: LSDS 1,8,9 & 16 OF 12, LSDS 1,8,9 & 16 OF 13, LSDS 1,8,9 & 16 OF 24; WHERE: SEE POOL REGULATIONS REGARDING PARTIAL LEGAL SUBDIVISIONS.
COURT BAKKEN SAND	SOLUTION GAS DRIVE	WATERFLOOD IN: COURT BAKKEN VOL. UNIT NO. 1	1	SE 1/4 OF LSD.
COURT SOUTH BAKKEN SAND	SOLUTION GAS DRIVE	WATERFLOOD	1	SE 1/4 OF LSD.
COVINGTON SOUTH UPPER SHAUNAVON	SOLUTION GAS DRIVE	NONE	1	CENTER OF LSD.
COVINGTON UPPER SHAUNAVON	SOLUTION GAS DRIVE PARTIAL WATER DRIVE	WATERFLOOD IN: COVINGTON UNIT NO. 1	2	EVEN NUMBERED LSD.
COVINGTON WEST UPPER SHAUNAVON	SOLUTION GAS DRIVE	WATERFLOOD	2	EVEN NUMBERED LSD.
CREELMAN ALIDA BEDS	WATER DRIVE	NONE	2	ODD NUMBERED LSD, EXCEPT: TWP 10, RGE 9, SEC: N 1/2 OF 7; WHERE:
			1	CENTER OF LSD.
CRYSTAL HILL SOURIS VALLEY BEDS	WATER DRIVE	NONE	2	EVEN NUMBERED LSD, EXCEPT: TWP 10, RGE 1, SEC: 18 & 19; TWP 10, RGE 2, SEC: NE 1/4 OF 13, E 1/2 OF 24; WHERE:
			1	CENTER OF LSD.
DAHINDA MADISON	SOLUTION GAS DRIVE	NONE	2	ODD NUMBERED LSD.
DALESBORO FROBISHER-ALIDA BEDS	SOLUTION GAS DRIVE PARTIAL WATER DRIVE	NONE	2	ODD NUMBERED LSD.
DALESBORO NORTH FROBISHER-ALIDA BEDS	PARTIAL WATER DRIVE	NONE	2	ODD NUMBERED LSD.
DEE VALLEY EAST MANNVILLE SANDS	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD.
DEE VALLEY EAST SPARKY SAND	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD.
DEE VALLEY EAST WASECA SAND	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD.
DEE VALLEY SOUTH WASECA SAND	SOLUTION GAS DRIVE	NONE	1/2	NW & SE 1/4 OF LSD.
DEE VALLEY WASECA SAND	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD.
DELTA UPPER SHAUNAVON	SOLUTION GAS DRIVE	WATERFLOOD IN: 1: DELTA UNIT NO. 1 2: DELTA UNIT NO. 2 3: DELTA VOL. UNIT NO. 3	2	EVEN NUMBERED LSD.
DELTA WEST UPPER SHAUNAVON	SOLUTION GAS DRIVE	NONE	1	SEE POOL ORDER FOR DETAILS.
DIVIDE MADISON	WATER DRIVE	NONE	1	CENTER OF LSD.
DODSLAND VIKING SAND	SOLUTION GAS DRIVE	WATERFLOOD IN: 1: EAGLE LAKE VIKING VOLUNTARY UNIT 2: EAST DODSLAND VOL. UNIT 3: GLENEATH SOUTH VOL. UNIT 4: GLENEATH UNIT 5: KIYIU LAKE VOLUNTARY UNIT 6: KIYIU LAKE VOL. UNIT NO. 2 7: NORTH DODSLAND VOL. UNIT	1	CENTER OF LSD.
DOLLARD LOWER SHAUNAVON	SOLUTION GAS DRIVE	NONE	4	SE LSD OF 1/4 SECTION, EXCEPT: TWP 7, RGE 19, SEC: NW 1/4 OF 29; WHERE:
			2	ODD NUMBERED LSD.

DEVELOPMENT DATA - OIL POOLS

POOL NAME	NATURAL DEPLETION MECHANISM	ENHANCED RECOVERY PROJECTS	SPACING REGULATIONS * DRAINAGE UNITS, LSDS	TARGET AREA
DOLLARD UPPER SHAUNAVON	SOLUTION GAS DRIVE	WATERFLOOD IN: 1: DOLLARD UNIT 2: EAST DOLLARD VOLUNTARY UNIT	1	CENTER OF LSD, EXCEPT: TWP 7, RGE 19, SEC: LSDS 13 & 14 OF 18, LSDS 13 TO 16 OF 17, 18, LSDS 1 TO 4 OF 19, LSDS 1 TO 4 OF 20, LSDS 3 & 4 OF 21; WHERE:
			2	ODD NUMBERED LSD.
DRUID MANNVILLE SANDS	SOLUTION GAS DRIVE	NONE	1	CENTER OF LSD.
DULWICH EAST G.P. SAND	SOLUTION GAS DRIVE	NONE	1/4	EACH QUADRANT OF LSD.
DULWICH EAST SPARKY SAND	SOLUTION GAS DRIVE	NONE	1/4	EACH QUADRANT OF LSD.
DULWICH EAST REX SAND	SOLUTION GAS DRIVE	NONE	1/4	EACH QUADRANT OF LSD.
DULWICH NORTH SPARKY SAND	SOLUTION GAS DRIVE	WATERFLOOD IN: NORTH DULWICH VOLUNTARY UNIT (SUSPENDED)	1/2	NE & SW 1/4 OF LSD.
DULWICH SPARKY SAND	SOLUTION GAS DRIVE	NONE	1/4	EACH QUADRANT OF LSD.
EAR LAKE WASECA SAND	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD.
EASTBROOK SHAUNAVON	SOLUTION GAS DRIVE	NONE	2	EVEN NUMBERED LSD.
EASTEND SHAUNAVON	SOLUTION GAS DRIVE	NONE	2	EVEN NUMBERED LSD, EXCEPT: TWP 6, RGE 19, SEC: 5, 6, 7, 8, W 1/2 OF 18; TWP 6, RGE 20, SEC: E 1/2 OF 1; WHERE:
			4	NW LSD IN 1/4 SECTION.
EDAM NORTH LLOYDMINSTER SAND	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD, EXCEPT: TWP 48, RGE 20, SEC: N 1/2 OF 34, SE 1/4 & LSDS 3, 6, 9, 10, 11 & 12 OF 35; TWP 49, RGE 20, SEC: S 1/2 & LSDS 9, 10, 11, 12 & 14 OF 3, LSDS 3, 6, 9, 10 & 11 OF 10, LSDS 11, 12 & 14 OF 11; WHERE:
			1/2	NW & SE 1/4 OF LSD.
EDAM NORTH SPARKY SAND	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD, EXCEPT: TWP 48, RGE 20, SEC: N 1/2 OF 34, SE 1/4 & LSDS 3, 6, 9, 10, 11 & 12 OF 35; TWP 49, RGE 20, SEC: S 1/2 & LSDS 9, 10, 11, 12 & 14 OF 3, LSDS 3, 6, 9, 10 & 11 OF 10, LSDS 11, 12 & 14 OF 11; WHERE:
			1/2	NW & SE 1/4 OF LSD.
EDAM NORTH WASECA SAND	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD, EXCEPT: TWP 48, RGE 20, SEC: N 1/2 OF 34, SE 1/4 & LSDS 3, 6, 9, 10, 11 & 12 OF 35; TWP 49, RGE 20, SEC: S 1/2 & LSDS 9, 10, 11, 12 & 14 OF 3, LSDS 3, 6, 9, 10 & 11 OF 10, LSDS 11, 12 & 14 OF 11; WHERE:
			1/2	NW & SE 1/4 OF LSD.
EDAM WASECA SAND	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD, EXCEPT: TWP 48, RGE 19, SEC: E 1/2 & LSDS 3, 4, 6, 11 & 14 OF 8, SW 1/4 OF 9, 15, 16, SW 1/4 OF 17, 22, W 1/2 OF 27, 28, 29, 33; TWP 49, RGE 19, SEC: S 1/2 & NW 1/4 & LSDS 9, 10, & 15 OF 4, 6; WHERE:
			1/2	NW & SE 1/4 OF LSD.
EDAM WEST MANNVILLE SANDS	SOLUTION GAS DRIVE	NONE	1/2	NW & SE 1/4 OF LSD, EXCEPT: TWP 48, RGE 20, SEC: LSD 11 & S 1/2 LSD 14 OF 30; WHERE:
			1/4	CENTER OF DRAINAGE UNIT.

DEVELOPMENT DATA - OIL POOLS

POOL NAME	NATURAL DEPLETION MECHANISM	ENHANCED RECOVERY PROJECTS	SPACING REGULATIONS * DRAINAGE UNITS, LSDS	TARGET AREA
EDAM WEST SPARKY/G.P. SAND	SOLUTION GAS DRIVE	NONE	1/2	NW & SE 1/4 OF LSD, EXCEPT: SEE EDAM WEST MANNVILLE SANDS.
EDAM WEST WASECA SAND	SOLUTION GAS DRIVE	NONE	1/2	NW & SE 1/4 OF LSD, EXCEPT: SEE EDAM WEST MANNVILLE SANDS.
EDENVALE NORTH TILSTON BEDS	WATER DRIVE	NONE	1	CENTER OF LSD.
EDENVALE TILSTON BEDS	PARTIAL WATER DRIVE	NONE	2	EVEN NUMBERED LSD.
ELCOTT EAST MIDALE BEDS	SOLUTION GAS DRIVE	NONE	2	ODD NUMBERED LSD.
ELMORE FROBISHER BEDS	SOLUTION GAS DRIVE PARTIAL WATER DRIVE	WATERFLOOD IN: ELMORE FROBISHER BEDS VOLUNTARY UNIT NO. 1	1	CENTER OF LSD.
ELMORE MIDALE BEDS	SOLUTION GAS DRIVE	NONE	2	ODD NUMBERED LSD.
ELSWICK EAST MIDALE BEDS	SOLUTION GAS DRIVE	WATERFLOOD IN: ELSWICK MIDALE VOL. UNIT NO. 2	2	ODD NUMBERED LSD.
ELSWICK MIDALE BEDS	SOLUTION GAS DRIVE PARTIAL WATER DRIVE	WATERFLOOD IN: ELSWICK MIDALE VOL. UNIT NO. 1	2	ODD NUMBERED LSD.
ELSWICK SOUTH MIDALE BEDS	SOLUTION GAS DRIVE	NONE	2	ODD NUMBERED LSD.
EPPING G.P. SAND	SOLUTION GAS DRIVE	WATERFLOOD IN: SOUTH EPPING UNIT NO. 1	1 1/2	SE 1/4 OF LSD, EXCEPT: TWP 47, RGE 27, SEC: W 1/2 OF 17, 18, 19, 20, S 1/2 & NW 1/4 OF 29, 30, S 1/2 & NW 1/4 OF 31, SW 1/4 OF 32; TWP 48, RGE 27, SEC: SW 1/4 OF 6; TWP 47, RGE 28, SEC: N 1/2 OF 25, 35, 36; TWP 48, RGE 28, SEC: S 1/2 OF 1, SE 1/4 OF 2; WHERE: NW & SE 1/4 OF LSD.
EPPING MANNVILLE SANDS	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD, EXCEPT: SEE EPPING G.P. SAND POOL.
EPPING SOUTH SPARKY SAND	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD.
EPPING SPARKY SAND	SOLUTION GAS DRIVE	WATERFLOOD IN: 1: SOUTH EPPING UNIT NO. 1 2: SOUTH WEST EPPING SPARKY VOLUNTARY UNIT NO. 1	1	SE 1/4 OF LSD, EXCEPT: SEE EPPING G.P. SAND POOL.
ERMINE MANNVILLE SANDS	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD.
EUREKA VIKING	SOLUTION GAS DRIVE	WATERFLOOD IN: 1: NORTH EUREKA UNIT 2: SOUTH EUREKA UNIT	1	CENTER OF LSD.
EVESHAM NORTH MCLAREN SAND	SOLUTION GAS DRIVE	PILOT WATERFLOOD	1	SE 1/4 OF LSD.
EVESHAM NORTH SPARKY SAND	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD.
EVESHAM SPARKY SAND	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD.
EYEHILL CUMMINGS-DINA SAND	SOLUTION GAS DRIVE PARTIAL WATER DRIVE	PILOT IN-SITU DRY COMBUSTION (SUSPENDED)	1	SE 1/4 OF LSD.
EYEHILL NORTH CUMMINGS SAND	SOLUTION GAS DRIVE PARTIAL WATER DRIVE	NONE	1	SE 1/4 OF LSD, EXCEPT: TWP 40, RGE 28, SEC: LSDS 4, 5, 12 & 13 OF 20, LSDS 4, 5, 12 & 13 OF 29; WHERE: SEE POOL REGULATIONS REGARDING PARTIAL LEGAL SUBDIVISIONS.
EYEHILL NORTH SPARKY SAND	SOLUTION GAS DRIVE PARTIAL WATER DRIVE	WATERFLOOD	1	SE 1/4 OF LSD, EXCEPT: TWP 40, RGE 28, SEC: LSDS 4, 5, 12 & 13 OF 20, LSDS 4, 5, 12 & 13 OF 29; WHERE: SEE POOL REGULATIONS REGARDING PARTIAL LEGAL SUBDIVISIONS.
FERTILE TILSTON BEDS	WATER DRIVE	NONE	1	CENTER OF LSD.
FERTILE TILSTON-SOURIS VALLEY BEDS	WATER DRIVE	NONE	1	CENTER OF LSD.

DEVELOPMENT DATA - OIL POOLS

POOL NAME	NATURAL DEPLETION MECHANISM	ENHANCED RECOVERY PROJECTS	SPACING REGULATIONS * DRAINAGE UNITS, LSDS	TARGET AREA
FLAT LAKE RATCLIFFE BEDS	SOLUTION GAS DRIVE	WATERFLOOD IN: FLAT LAKE RATCLIFFE VOLUNTARY UNIT NO. 1 FLAT LAKE RATCLIFFE VOLUNTARY UNIT NO. 2	2 2	EVEN NUMBERED LSD, EXCEPT: A: TWP 1, RGE 16, SEC: N 1/2 OF 21; WHERE: ODD NUMBERED LSD; B: TWP 1, RGE 16, SEC: S 1/2 OF 1, S 1/2 OF 2, S 1/2 OF 3, S 1/2 OF 5, S 1/2 OF 6; WHERE: WELLS LOCATED A MINIMUM DISTANCE OF 1600 FEET FROM U.S. BORDER.
FLORENCE FROBISHER BEDS	WATER DRIVE	NONE	2	ODD NUMBERED LSD, EXCEPT: TWP 2, RGE 34, SEC: W 1/2 OF 5, W 1/2 OF 8; WHERE: SEE POOL REGULATIONS REGARDING PARTIAL SECTIONS.
FOREST BANK MANNVILLE SANDS	SOLUTION GAS DRIVE	NONE	1 1 1	SW 1/4 OF LSD, EXCEPT: A: TWP 48, RGE 24, SEC: 32; TWP 49, RGE 24, SEC: 6; WHERE: SE 1/4 OF LSD; B: TWP 49, RGE 24, SEC: 7, 18; TWP 49, RGE 25, SEC: 12, 13; WHERE: NE 1/4 OF LSD.
FOREST BANK SPARKY SAND	SOLUTION GAS DRIVE	NONE	1	SW 1/4 OF LSD, EXCEPT: SEE FOREST BANK MANNVILLE SANDS.
FOREST BANK WASECA SAND	SOLUTION GAS DRIVE	NONE	1	SW 1/4 OF LSD, EXCEPT: SEE FOREST BANK MANNVILLE SANDS.
FORGAN VIKING SAND	SOLUTION GAS DRIVE	NONE	1	CENTER OF LSD.
FORGAN WEST VIKING SAND	SOLUTION GAS DRIVE	NONE	1	CENTER OF LSD.
FOSTERTON ROSERAY SAND	SOLUTION GAS DRIVE	WATERFLOOD IN: 1: FOSTERTON MAIN UNIT 2: FOSTERTON NORTHWEST UNIT (SUSPENDED) 3: WEST FOSTERTON VOLUNTARY UNIT IN-SITU WET COMBUSTION IN: FOSTERTON NORTHWEST UNIT	1 1	CENTER OF LSD, EXCEPT: TWP 16, RGE 18, SEC: 35, W 1/2 OF 36; TWP 17, RGE 18, SEC: 1, 2, 3, S 1/2 & NW 1/4 OF 13, 14, 15; WHERE: SW 1/4 OF LSD.
FOSTERTON SOUTH CANTUAR SAND	SOLUTION GAS DRIVE	NONE	1	CENTER OF LSD.
FOSTERTON SOUTH ROSERAY SAND	SOLUTION GAS DRIVE	NONE	1	CENTER OF LSD.
FREDA LAKE RATCLIFFE BEDS	SOLUTION GAS DRIVE	NONE	2	ODD NUMBERED LSD.
FREEMONT MANNVILLE SANDS	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD.
FREEMONT SPARKY SAND	SOLUTION GAS DRIVE	NONE	1 1/2	SE 1/4 OF LSD, EXCEPT: TWP 45, RGE 24, SEC: E 1/2 & LSDS 3, 6, 11 & 14 OF 11; WHERE: NW & SE 1/4 OF LSD.
FREEMONT WASECA SAND	SOLUTION GAS DRIVE	NONE	1 1/4	SE 1/4 OF LSD, EXCEPT: TWP 44, RGE 24, SEC: E 1/2 OF 26, LSDS 1, 2, 7, 8, 9 & 10 OF 35; WHERE: CENTER OF EACH 1/4 LSD.
FREESTONE FROBISHER-ALIDA BEDS	WATER DRIVE	NONE	2 1	ODD NUMBERED LSD, EXCEPT: TWP 9, RGE 6, SEC: W 1/2 OF 7, W 1/2 OF 17, 18,19, W 1/2 OF 20; TWP 9, RGE 7, SEC: 11, 12, 13; WHERE: CENTER OF LSD.

DEVELOPMENT DATA - OIL POOLS

POOL NAME	NATURAL DEPLETION MECHANISM	ENHANCED RECOVERY PROJECTS	SPACING REGULATIONS * DRAINAGE UNITS, LSDS	SPACING REGULATIONS * TARGET AREA
FREMANTLE LOWER WATROUS	PARTIAL WATER DRIVE	NONE	2	EVEN NUMBERED LSD.
FRYS EAST TILSTON-SOURIS VALLEY BEDS	WATER DRIVE	NONE	1	CENTER OF LSD.
FRYS TILSTON-SOURIS VALLEY BEDS	WATER DRIVE	NONE	1	CENTER OF LSD.
FURNESS SPARKY SAND	SOLUTION GAS DRIVE	NONE	1/4	CENTER OF EACH 1/4 LSD.
FUSILIER BAKKEN SAND	SOLUTION GAS DRIVE GAS CAP DRIVE	NONE	1	SE 1/4 OF LSD.
GAINSBOROUGH FROBISHER-ALIDA BEDS	SOLUTION GAS DRIVE	WATERFLOOD IN: GAINSBOROUGH FROBISHER-ALIDA VOLUNTARY UNIT	1	CENTER OF LSD, EXCEPT: TWP 3, RGE 30, SEC: 1, 2, E 1/2 OF 11, SW 1/4 OF 12; WHERE: 2 EVEN NUMBERED LSD.
GAINSBOROUGH NORTH FROBISHER-ALIDA BEDS	SOLUTION GAS DRIVE PARTIAL WATER DRIVE	NONE	1	CENTER OF LSD.
GAINSBOROUGH WEST FROBISHER BEDS	SOLUTION GAS DRIVE PARTIAL WATER DRIVE	WATERFLOOD IN: GAINSBOROUGH WEST VOLUNTARY UNIT NO. 1	2	ODD NUMBERED LSD.
GARDENHEAD SOUTH UPPER SHAUNAVON	SOLUTION GAS DRIVE	WATERFLOOD	1	CENTER OF LSD.
GARDENHEAD UPPER SHAUNAVON	SOLUTION GAS DRIVE	WATERFLOOD IN: GARDEN HEAD VOL. UNIT NO. 1	2	ODD NUMBERED LSD.
GLEN EWEN FROBISHER BEDS	PARTIAL WATER DRIVE	WATERFLOOD	2	ODD NUMBERED LSD, EXCEPT: TWP 3, RGE 1, SEC: LSD 1,2,3,4 OF SECTIONS 3 TO 5 INCLUSIVE; WHERE: SEE POOL REGULATIONS REGARDING PARTIAL LEGAL SUBDIVISIONS.
GLEN EWEN MIDALE BEDS	SOLUTION GAS DRIVE	WATERFLOOD IN: GLEN EWEN UNIT	2	ODD NUMBERED LSD, EXCEPT: A: TWP 2, RGE 1, SEC: N 1/2 OF 28, 32, S 1/2 OF 33, S 1/2 & NW 1/4 OF 34, SE 1/4 OF 35; TWP 3, RGE 1, SEC: NW 1/4 OF 8, N 1/2 OF 10, N 1/2 OF 11, NE 1/4 OF 12, S 1/2 OF 13, W 1/2 OF 15, SE 1/4 OF 16, W 1/2 & NE 1/4 OF 20, W 1/2 OF 22; WHERE: 4 SE LSD OF 1/4 SECTION; B: TWP 3, RGE 1, SEC: LSD 1,2,3,4 OF SECTIONS 1 TO 5 INCLUSIVE; WHERE: SEE POOL REGULATIONS REGARDING PARTIAL LEGAL SUBDIVISIONS.
GOLDEN LAKE NORTH MANNVILLE SANDS	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD, EXCEPT: TWP 48, RGE 23, SEC: 19, 29, 30, E 1/2 & SW 1/4 OF 31, 32; TWP 48, RGE 24, SEC: NE 1/4 OF 24, SE 1/4 OF 25; WHERE: 1 SW 1/4 OF LSD.
GOLDEN LAKE NORTH SPARKY SAND	SOLUTION GAS DRIVE	WATERFLOOD IN: GOLDEN LAKE VOLUNTARY UNIT	1	SE 1/4 OF LSD, EXCEPT: SEE GOLDEN LAKE NORTH MANNVILLE SANDS POOL.
GOLDEN LAKE NORTH WASECA SAND	SOLUTION GAS DRIVE	WATERFLOOD IN: GOLDEN LAKE VOLUNTARY UNIT	1	SE 1/4 OF LSD, EXCEPT: SEE GOLDEN LAKE NORTH MANNVILLE SANDS POOL.
GOLDEN LAKE SOUTH MANNVILLE SANDS	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD.
GOLDEN LAKE SOUTH SPARKY SAND	SOLUTION GAS DRIVE	PILOT IN-SITU WET COMBUSTION (SUSPENDED)	1	SE 1/4 OF LSD.
GOLDEN LAKE SOUTH WASECA SAND	SOLUTION GAS DRIVE	TWO IN-SITU WET COMBUSTION PILOT PROJECTS-(SUSPENDED) WATERFLOOD IN: GOLDEN LAKE SOUTH VOL. UNIT	1	SE 1/4 OF LSD.

DEVELOPMENT DATA - OIL POOLS

POOL NAME	NATURAL DEPLETION MECHANISM	ENHANCED RECOVERY PROJECTS	SPACING REGULATIONS * DRAINAGE UNITS, LSDS	TARGET AREA
GRIFFIN FROBISHER BEDS	WATER DRIVE	NONE	1	CENTER OF LSD.
GRIFFIN NORTH FROBISHER BEDS	WATER DRIVE	NONE	2	ODD NUMBERED LSD.
GULL LAKE BASAL CANTUAR SAND	SOLUTION GAS DRIVE	WATERFLOOD IN: 1: JOHNSTON UNIT 2: GULL LAKE CANTUAR VOLUNTARY UNIT NO. 1	1	SE 1/4 OF LSD.
GULL LAKE CENTRAL UPPER SHAUNAVON	SOLUTION GAS DRIVE	WATERFLOOD IN: GULL LAKE UPPER SHAUNAVON VOLUNTARY UNIT NO. 1	2	SE 1/4 OF EVEN LSD.
GULL LAKE NORTH BASAL CANTUAR SAND	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD.
GULL LAKE NORTH UPPER SHAUNAVON	SOLUTION GAS DRIVE	WATERFLOOD IN: GULL LAKE N. SHAUNAVON UNIT	1	SE 1/4 OF LSD.
GULL LAKE ROSERAY SAND	SOLUTION GAS DRIVE	WATERFLOOD	1	CENTER OF LSD.
GULL LAKE SOUTH UPPER SHAUNAVON	SOLUTION GAS DRIVE	WATERFLOOD IN GULL LAKE SOUTH VOLUNTARY UNIT NO. 1	2	EVEN NUMBERED LSD.
GULLY LAKE WASECA SAND	SOLUTION GAS DRIVE	WATERFLOOD IN: GULLY LAKE WASECA VOL. UNIT	1	SE 1/4 OF LSD.
HANDSWORTH ALIDA BEDS	WATER DRIVE	NONE	1	CENTER OF LSD, EXCEPT: TWP 10, RGE 6, SEC: NW 1/4 OF 17, 18, 19, 20; WHERE:
			2	ODD NUMBERED LSD.
HARTAVEN FROBISHER-ALIDA BEDS	WATER DRIVE	NONE	1	CENTER OF LSD.
HARTAVEN WINNIPEG SAND	WATER DRIVE	NONE	4	CENTER OF 1/4 SECTION.
HASTINGS EAST FROBISHER BEDS	PARTIAL WATER DRIVE	NONE	2	EVEN NUMBERED LSD.
HASTINGS FROBISHER BEDS	PARTIAL WATER DRIVE	WATERFLOOD IN: 1: HASTINGS FROBISHER UNIT 2: HASTINGS VOLUNTARY UNIT NO. 1 3: HASTINGS VOLUNTARY UNIT NO. 2	2	EVEN NUMBERED LSD, EXCEPT: A: TWP 3, RGE 33, SEC: SE 1/4 & N 1/2 OF 10, 15, N 1/2 OF 16, 21, 22, S 1/2 OF 27, S 1/2 OF 28, LSDS 13,14 & NE 1/4 OF 31; TWP 4, RGE 33, SEC: LSDS 1,2,5,6 & N 1/2 OF 6, S 1/2 OF 7; TWP 3, RGE 34, SEC: 22, W 1/2 OF 26, 27, 34, SW 1/4 OF 35; TWP 4, RGE 34, SEC: LSDS 13,14 & NE 1/4 OF 1, 3, N 1/2 OF 10, LSDS 5,6,7,8 & N 1/2 OF 11, LSDS 9,10 & S 1/2 OF 12, LSDS 1,2 & W 1/2 OF 14, N 1/2 & SW 1/4 OF 15, S 1/2 & NE 1/4 OF 22, LSDS 3 & 4 OF 23; TWP 3, RGE 1, SEC: NE 1/4 OF 24, 25, 36; TWP 4, RGE 1, SEC: S 1/2 OF 1, LSDS 7,8 & N 1/2 OF 12, LSDS 11,12, NE 1/4 & S 1/2 OF 13, LSDS 7 & 8 OF 14, SE 1/4 OF 24; WHERE:
			1	CENTER OF LSD; B: TWP 3, RGE 34, SEC: 21, 28, 33; TWP 4, RGE 34, SEC: 4, E 1/2 OF 9, SW 1/4 OF 10, 16, E 1/2 OF 21, NW 1/4 OF 22, W 1/2 OF 27, 28, 33, W 1/2 OF 34; TWP 5, RGE 34, SEC: W 1/2 OF 3, 4; WHERE: SEE POOL REGULATIONS RE FRACTIONAL LEGAL SUBDIVISIONS.
HASTINGS WEST FROBISHER BEDS	WATER DRIVE	NONE	2	EVEN NUMBERED LSD.

DEVELOPMENT DATA - OIL POOLS

POOL NAME	NATURAL DEPLETION MECHANISM	ENHANCED RECOVERY PROJECTS	SPACING REGULATIONS * DRAINAGE UNITS, LSDS	TARGET AREA
HAZELWOOD CENTRAL TILSTON BEDS	WATER DRIVE	NONE	1	CENTER OF LSD, EXCEPT: A: TWP 11, RGE 4, SEC: N 1/2 OF 7, SW 1/4 & LSDS 9, 10 11 & 12 OF 17, 18, S 1/2 OF 19; TWP 11, RGE 5, SEC: NE 1/4 OF 13, WHERE:
			2	EVEN NUMBERED LSD; B: TWP 11, RGE 5, SEC: W 1/2 OF 13, N 1/2 OF 14, NE 1/4 OF 15, 23, 24; WHERE:
			2	ODD NUMBERED LSD.
HAZELWOOD SOUTH TILSTON BEDS	WATER DRIVE	NONE	2	ODD NUMBERED LSD, EXCEPT: TWP 11, RGE 5, SEC: E 1/2 OF 12, SE 1/4 OF 13; WHERE:
			2	EVEN NUMBERED LSD
HAZELWOOD TILSTON BEDS	WATER DRIVE	NONE	1	CENTER OF LSD.
HAZELWOOD WEST TILSTON BEDS	WATER DRIVE	NONE	2	ODD NUMBERED LSD.
HAZLET ROSERAY SAND	SOLUTION GAS DRIVE	WATERFLOOD IN: HAZLET UNIT	1	CENTER OF LSD.
HEARTS HILL BAKKEN SAND	SOLUTION GAS DRIVE	WATERFLOOD	1	CENTER OF LSD.
HEWARD FROBISHER BEDS	PARTIAL WATER DRIVE	NONE	2	ODD NUMBERED LSD.
HEWARD SOUTH FROBISHER BEDS	PARTIAL WATER DRIVE	NONE	2	ODD NUMBERED LSD.
HILLMOND G.P. SAND	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD.
HILLMOND SPARKY SAND	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD.
HITCHCOCK WINNIPEGOSIS	SOLUTION GAS DRIVE	NONE	4	CENTER OF 1/4 SECTION, EXCEPT: TWP 3, RGE 9, SEC: NW 1/4 OF 25, SE 1/4 OF 35; WHERE:
			2	ODD NUMBERED LSD.
HOFFER RATCLIFFE BEDS	SOLUTION GAS DRIVE	NONE	2	EVEN NUMBERED LSD, EXCEPT: TWP 1, RGE 15, SEC: 30; TWP 1, RGE 16, SEC: E 1/2 OF 25, WHERE:
			2	ODD NUMBERED LSD.
HOOSIER BAKKEN SAND	SOLUTION GAS DRIVE GAS CAP DRIVE	WATERFLOOD IN: HOOSIER BAKKEN VOL. UNIT NO. 1	1	CENTER OF LSD.
HUME FROBISHER BEDS	WATER DRIVE	NONE	2	ODD NUMBERED LSD, EXCEPT: TWP 7, RGE 12, SEC: W 1/2 OF 29, E 1/2 OF 30; WHERE:
			1	CENTER OF LSD
HUME MIDALE BEDS	SOLUTION GAS DRIVE	NONE	2	ODD NUMBERED LSD
HUMMINGBIRD BAKKEN SAND	WATER DRIVE	WATERFLOOD IN: HUMMINGBIRD BAKKEN SAND VOLUNTARY UNIT NO. 1	2	ODD NUMBERED LSD
HUMMINGBIRD BIRDBEAR	SOLUTION GAS DRIVE	NONE	2	ODD NUMBERED LSD
HUMMINGBIRD RATCLIFFE BEDS	SOLUTION GAS DRIVE	WATERFLOOD IN: HUMMINGBIRD RATCLIFFE VOLUNTARY UNIT NO. 1	2	ODD NUMBERED LSD
HUMMINGBIRD SOUTH BAKKEN SAND	SOLUTION GAS DRIVE	WATERFLOOD	1	CENTER OF LSD
HUMMINGBIRD SOUTH RATCLIFFE	PARTIAL WATER DRIVE	WATERFLOOD	1	CENTER OF LSD

DEVELOPMENT DATA - OIL POOLS

POOL NAME	NATURAL DEPLETION MECHANISM	ENHANCED RECOVERY PROJECTS	SPACING REGULATIONS * DRAINAGE UNITS, LSDS	TARGET AREA
HUNTOON FROBISHER BEDS	WATER DRIVE	NONE	2	ODD NUMBERED LSD, EXCEPT: TWP 7, RGE 8, SEC: N 1/2 OF 7, W 1/2 OF 18; TWP 6, RGE 9, SEC: NW 1/4 OF 28, 33; TWP 7, RGE 9, SEC: SW 1/4 OF 4, 12, SE 1/4 OF 13; WHERE:
			1	CENTER OF LSD.
HUNTOON MIDALE BEDS	SOLUTION GAS DRIVE	WATERFLOOD IN: 1: HUNTOON MIDALE BEDS VOLUNTARY UNIT NO. 1 2: HUNTOON MIDALE BEDS VOLUNTARY UNIT NO. 2	4	SE LSD IN 1/4 SECTION, EXCEPT: TWP 6, RGE 9, SEC: N 1/2 OF 30, 31, 32, 33, 34; TWP 7, RGE 9, SEC: W 1/2 OF 2, 3, 4, E 1/2 OF 5, 10; TWP 8, RGE 10, SEC: N 1/2 OF 25, NE 1/4 OF 26, E 1/2 OF 33, 34, 35, 36; TWP 7, RGE 10, SEC: 4; WHERE:
			2	ODD NUMBERED LSD.
HUNTOON NORTH FROBISHER BEDS	WATER DRIVE	NONE	1	CENTER OF LSD.
ILLERBRUN UPPER SHAUNAVON	SOLUTION GAS DRIVE	WATERFLOOD IN: ILLERBRUN VOLUNTARY UNIT	2	ODD NUMBERED LSD.
INGOLDSBY EAST ALIDA BEDS	WATER DRIVE	NONE	2	EVEN NUMBERED LSD.
INGOLDSBY FROBISHER-ALIDA BEDS	WATER DRIVE	NONE	1	CENTER OF LSD.
INGOLDSBY NORTH ALIDA BEDS	WATER DRIVE	NONE	2	EVEN NUMBERED LSD.
INGOLDSBY WEST FROBISHER-ALIDA BEDS	WATER DRIVE	NONE	1	CENTER OF LSD.
INNES FROBISHER BEDS	WATER DRIVE	NONE	2	ODD NUMBERED LSD.
INSTOW UPPER SHAUNAVON	SOLUTION GAS DRIVE	WATERFLOOD IN: 1: INSTOW UNIT 2: INSTOW SOUTH UPPER SHAUNAVON VOLUNTARY UNIT	2	ODD NUMBERED LSD.
JAVA CANTUAR SAND	SOLUTION GAS DRIVE	WATERFLOOD	2	ODD NUMBERED LSD.
JAVA NORTH CANTUAR SAND	SOLUTION GAS DRIVE	WATERFLOOD	1	CENTER OF LSD.
JAVA WEST CANTUAR SAND	SOLUTION GAS DRIVE	NONE	1	SEE POOL ORDER FOR DETAILS.
JOHNSTON UPPER SHAUNAVON	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD.
KENNEDY SOURIS VALLEY BEDS	WATER DRIVE	NONE	2	EVEN NUMBERED LSD.
KENOSEE TILSTON BEDS	WATER DRIVE	NONE	2	EVEN NUMBERED LSD.
KERROBERT VIKING SAND	SOLUTION GAS DRIVE	WATERFLOOD	1	CENTER OF LSD, EXCEPT: TWP 32, RGE 23, SEC: NE 1/4 OF 26, 36; TWP 33, RGE 23, SEC: 2; WHERE:
			1/2	NE & SW 1/4 OF LSD.
KISBEY BIRDBEAR	WATER DRIVE	NONE	2	ODD NUMBERED LSD.
KISBEY FROBISHER-ALIDA BEDS	WATER DRIVE	NONE	1	CENTER OF LSD.
KISBEY SOUTH FROB-ALIDA BEDS	WATER DRIVE	NONE	1	CENTER OF LSD.
LAKE ALMA RATCLIFFE BEDS	SOLUTION GAS DRIVE	WATERFLOOD IN: LAKE ALMA VOLUNTARY UNIT	2	EVEN NUMBERED LSD.
LANDROSE MCLAREN SAND	SOLUTION GAS DRIVE	NONE	1	NE 1/4 OF LSD, EXCEPT: TWP 50, RGE 25, SEC: W 1/2 OF 6, W 1/2 OF 7, SW 1/4 OF 18; TWP 50, RGE 26, SEC: E 1/2 & NW 1/4 OF 1, 12, S 1/2 OF 13; WHERE:
			1/2	NE & SW 1/4 OF LSD.

DEVELOPMENT DATA - OIL POOLS

POOL NAME	NATURAL DEPLETION MECHANISM	ENHANCED RECOVERY PROJECTS	SPACING REGULATIONS * DRAINAGE UNITS, LSDS	TARGET AREA
LANDROSE WASECA SAND	SOLUTION GAS DRIVE	NONE	1	NE 1/4 OF LSD, EXCEPT: TWP 50, RGE 25, SEC: W 1/2 OF 6, W 1/2 OF 7, SW 1/4 OF 18; TWP 50 RGE 26, SEC: E 1/2 & NW 1/4 OF 1, 12, S 1/2 OF 13; WHERE:
			1/2	NE & SW 1/4 OF LSD.
LASHBURN SOUTH SPARKY SAND	SOLUTION GAS DRIVE	NONE	1	SW 1/4 OF LSD, EXCEPT: TWP 48, RGE 23, SEC: 16; TWP 48, RGE 24, SEC: NW 1/4 OF 14, NE 1/4 OF 15, E 1/2 OF 22, 23; WHERE:
			1	SE 1/4 OF LSD.
LASHBURN SOUTH WASECA SAND	SOLUTION GAS DRIVE	NONE	1	SW 1/4 OF LSD, EXCEPT: SEE LASHBURN SOUTH SPARKY SAND POOL.
LASHBURN WASECA SAND	SOLUTION GAS DRIVE	WATERFLOOD IN: LASHBURN WASECA VOLUNTARY UNIT (SUSPENDED)	1	SW 1/4 OF LSD.
LASHBURN WEST SPARKY SAND	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD.
LEITCHVILLE SHAUNAVON	SOLUTION GAS DRIVE	WATERFLOOD IN: LEITCHVILLE SHAUNAVON VOLUNTARY UNIT	2	EVEN NUMBERED LSD.
LEON LAKE SHAUNAVON	SOLUTION GAS DRIVE	PILOT WATERFLOOD WATERFLOOD	2	ODD NUMBERED LSD.
LIGHTNING SOUTH TILSTON BEDS	WATER DRIVE	NONE	2	EVEN NUMBERED LSD.
LIGHTNING TILSTON BEDS	WATER DRIVE	NONE	1	CENTER OF LSD.
LLOYDMINSTER SPARKY SAND	SOLUTION GAS DRIVE	NONE	1/2	NW & SE 1/4 OF LSD, EXCEPT: SPECIAL PROVISIONS FOR PARTIAL LSD.
LONE ROCK SPARKY SAND	SOLUTION GAS DRIVE	PILOT STEAMFLOOD (SUSPENDED)	1/4	CENTER OF EACH 1/4 LSD.
LONG LAKE WASECA SAND	PARTIAL WATER DRIVE	NONE	1	CENTER OF LSD.
LOST HORSE HILL FROBISHER-ALIDA BEDS	WATER DRIVE	NONE	1	CENTER OF LSD.
LOUGHEED MIDALE BEDS	SOLUTION GAS DRIVE	WATERFLOOD IN: LOUGHEED MIDALE BEDS VOLUNTARY UNIT NO. 1	2	ODD NUMBERED LSD, EXCEPT: TWP 6, RGE 15, SEC: SW 1/4 OF 23; WHERE:
			1	CENTER OF LSD.
LOVERNA SUCCESS	SOLUTION GAS DRIVE	NONE	1	CENTER OF LSD.
LOW LAKE WASECA SAND	SOLUTION GAS DRIVE	NONE	1/2	NE & SW 1/4 OF LSD.
LUCKY HILLS VIKING	SOLUTION GAS DRIVE GAS CAP DRIVE	NONE	1	CENTER OF LSD.
LUSELAND BAKKEN SAND	SOLUTION GAS DRIVE	PILOT WATERFLOOD	1	SE 1/4 OF LSD.
MACKLIN SPARKY SAND	SOLUTION GAS DRIVE	WATERFLOOD	1	CENTER OF LSD.
MACOUN MIDALE BEDS	PARTIAL WATER DRIVE	WATERFLOOD IN: MACOUN MIDALE VOL. UNIT NO. 1	2	ODD NUMBERED LSD.
MACOUN NORTH WINNIPEGOSIS	SOLUTION GAS DRIVE	NONE	4	CENTER OF 1/4 SECTION, EXCEPT: A: TWP 4, RGE 8, SEC: SW 1/4 OF 30; WHERE:
			1	CENTER OF LSD, B: TWP 4, RGE 8, SEC: SW 1/4 OF 30, LSDS 9 & 10 OF 31; TWP 5, RGE 8, SEC: LSDS 7 & 8 OF 6; WHERE:
			2	ODD NUMBERED LSD, C: TWP 4, RGE 8, SEC: LSDS 15 & 16 OF 31, TWP 5, RGE 8, SEC: LSDS 1 & 2 OF 6; WHERE: SEE POOL REGULATIONS.

DEVELOPMENT DATA - OIL POOLS

POOL NAME	NATURAL DEPLETION MECHANISM	ENHANCED RECOVERY PROJECTS	SPACING REGULATIONS * DRAINAGE UNITS, LSDS	TARGET AREA
MACOUN SOUTH MIDALE BEDS	PARTIAL WATER DRIVE	NONE	2	ODD NUMBERED LSD.
MACOUN WEST MIDALE BEDS	PARTIAL WATER DRIVE	NONE	4	NW LSD OF 1/4 SECTION.
MACOUN WINNIPEGOSIS	SOLUTION GAS DRIVE PARTIAL WATER DRIVE	WATERFLOOD IN: SOUTH MACOUN WINNIPEGOSIS VOL. UNIT NO. 1	4	CENTER OF 1/4 SECTION.
MACSTONE MANNVILLE SANDS	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD.
MACSTONE MCLAREN SAND	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD.
MACSTONE WASECA SAND	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD.
MAIN SUCCESS ROSERAY SAND	SOLUTION GAS DRIVE	WATERFLOOD IN: SUCCESS MAIN UNIT	1	SW 1/4 OF LSD.
MANTO LAKE EAST MCLAREN SAND	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD, EXCEPT: TWP 43, RGE 25, SEC: NE 1/4 OF 15, S 1/2 OF 22; WHERE:
			1/2	NW & SE 1/4 OF LSD.
MANTO LAKE TORKY SAND	SOLUTION GAS DRIVE	WATERFLOOD	1	SE 1/4 OF LSD.
MANOR LOWER WATROUS-ALIDA BEDS	WATER DRIVE	WATERFLOOD	2	EVEN NUMBERED LSD.
MANOR NORTH LOWER WATROUS	WATER DRIVE	NONE	2	EVEN NUMBERED LSD.
MANTARIO EAST BASAL MANNVILLE SAND	SOLUTION GAS DRIVE	WATERFLOOD IN: 1: MANTARIO E. BASAL MANNVILLE VOLUNTARY UNIT NO. 1	1	SE 1/4 OF LSD.
MANTARIO NORTH BASAL MANNVILLE SAND	SOLUTION GAS DRIVE	WATERFLOOD IN: 1: MANTARIO N. BASAL MANNVILLE SAND VOLUNTARY UNIT NO. 1	1	SE 1/4 OF LSD.
MARENGO SOUTH BASAL MANNVILLE SAND	SOLUTION GAS DRIVE	WATERFLOOD	1	SE 1/4 OF LSD.
MARSDEN NORTH SPARKY SAND	PARTIAL WATER DRIVE	NONE	1	SE 1/4 OF LSD, EXCEPT: SPECIAL PROVISIONS FOR PARTIAL LSD
MARSDEN SOUTH SPARKY SAND	SOLUTION GAS DRIVE	WATERFLOOD IN: 1: MARSDEN SOUTH SPARKY SAND VOLUNTARY UNIT NO. 1 2: MARSDEN SOUTH SPARKY SAND VOLUNTARY UNIT NO. 2 3: MARSDEN SOUTH SPARKY SAND VOLUNTARY UNIT NO. 3 3: MARSDEN SOUTH SPARKY SAND VOLUNTARY UNIT NO. 4	1	SE 1/4 OF LSD.
MARSDEN SPARKY SAND	SOLUTION GAS DRIVE	NONE	1/4	CENTER OF EACH 1/4 LSD, EXCEPT: TWP 44, RGE 28, SEC: 34; WHERE:
			1/2	NW & SE 1/4 OF LSD.
MELROSE FROBISHER-ALIDA BEDS	WATER DRIVE	NONE	1	CENTER OF LSD.
MEOTA LLOYDMINSTER SAND	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD.
MERVIN WASECA SAND	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD, EXCEPT: TWP 50, RGE 21, SEC: N 1/2 OF 26, E 1/2 OF 34, 35; WHERE:
			1/2	NW & SE 1/4 OF LSD.
MIDALE CENTRAL FROBISHER BEDS	WATER DRIVE	NONE	2	ODD NUMBERED LSD.
MIDALE CENTRAL MIDALE BEDS	SOLUTION GAS DRIVE	WATERFLOOD IN: 1: MIDALE UNIT 2: MIDALE SOUTH VOL. UNIT NO. 1 3: MIDALE SOUTH VOL. UNIT NO. 2 PILOT CARBON DIOXIDE FLOOD IN: MIDALE UNIT	2	ODD NUMBERED LSD.
MIDALE RED RIVER	SOLUTION GAS DRIVE	WATERFLOOD IN: 1: MIDALE RED RIVER VOLUNTARYUNIT NO. 1	4	CENTER OF 1/4 SECTION.
MIDALE WEST RED RIVER	SOLUTION GAS DRIVE	NONE	4	CENTER OF 1/4 SECTION.

DEVELOPMENT DATA - OIL POOLS

POOL NAME	NATURAL DEPLETION MECHANISM	ENHANCED RECOVERY PROJECTS	SPACING REGULATIONS * DRAINAGE UNITS, LSDS	TARGET AREA
MILTON BAKKEN SAND	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD.
MILTON SUCCESS	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD.
MINARD MIDALE BEDS	SOLUTION GAS DRIVE	NONE	4	NW LSD OF 1/4 SECTION.
MINTON RED RIVER	WATER DRIVE	NONE	4	CENTER OF 1/4 SECTION.
MINTON WINNIPEGOSIS	WATER DRIVE	NONE	4	CENTER OF 1/4 SECTION, EXCEPT: TWP 3, RGE 21, SEC: SW 1/4 OF 17; WHERE:
			2	ODD NUMBERED LSD.
MOOSE MOUNTAIN TILSTON BEDS	WATER DRIVE	NONE	1	CENTER OF LSD.
MOOSE VALLEY SOUTH TILSTON BEDS	WATER DRIVE	NONE	2	ODD NUMBERED LSD.
MOOSE VALLEY TILSTON BEDS	WATER DRIVE	NONE	2	EVEN NUMBERED LSD, EXCEPT: TWP 12, RGE 6, SEC: N 1/2 OF 3, NE 1/4 OF 4, E 1/2 OF 9, 10, NW 1/4 OF 13, 14, 15, E 1/2 OF 16, E 1/2 OF 21, 22, 23, W 1/2 OF 24; WHERE:
			1	CENTER OF LSD.
MOOSOMIN RED JACKET SAND	PARTIAL WATER DRIVE	NONE	1/4	CENTER OF DRAINAGE UNIT.
MORRISVIEW FROBISHER-ALIDA BEDS	WATER DRIVE	NONE	2	ODD NUMBERED LSD.
MORRISVIEW WEST FROBISHER-ALIDA BEDS	WATER DRIVE	NONE	2	ODD NUMBERED LSD.
NEILBURG COLONY SAND	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD.
NEILBURG MANNVILLE SANDS	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD.
NEILBURG MCLAREN SAND	SOLUTION GAS DRIVE	PILOT WATERFLOOD	1	SE 1/4 OF LSD.
NEPTUNE NORTH MIDALE BEDS	SOLUTION GAS DRIVE	NONE	2	ODD NUMBERED LSD.
NEPTUNE RATCLIFFE BEDS	SOLUTION GAS DRIVE	NONE	4	NW LSD OF 1/4 SECTION.
NORTH ANTLER MIDALE BEDS	SOLUTION GAS DRIVE	WATERFLOOD IN: ANTLER VOLUNTARY UNIT NO. 1	2	ODD NUMBERED LSD.
NORTHGATE EAST FROBISHER BEDS	WATER DRIVE	NONE	2	ODD NUMBERED LSD.
NORTHGATE FROBISHER BEDS	WATER DRIVE	NONE	1	CENTER OF LSD.
NORTHGATE MIDALE BEDS	SOLUTION GAS DRIVE	WATERFLOOD IN: NORTHGATE MIDALE VOLUNTARY UNIT	2	ODD NUMBERED LSD.
NORTH HANDSWORTH ALIDA BEDS	WATER DRIVE	NONE	2	ODD NUMBERED LSD.
NORTH HOOSIER BAKKEN SAND	SOLUTION GAS DRIVE PARTIAL WATER DRIVE	WATERFLOOD IN: NORTH HOOSIER BAKKEN SAND VOLUNTARY UNIT	1	CENTER OF LSD.
NORTH HOOSIER BASAL MANNVILLE	SOLUTION GAS DRIVE PARTIAL WATER DRIVE	WATERFLOOD IN: NORTH HOOSIER BASAL BLAIRMORE VOLUNTARY UNIT	1/2	SW & NE 1/4 OF LSD, EXCEPT: TWP 32, RGE 28, SEC: NW 1/4 OF 19, NW 1/4 OF 29, 30, S 1/2 & NE 1/4 OF 31, W 1/2 OF 32; TWP 32, RGE 27, SEC: N 1/2 OF 24, E 1/2 OF 25; WHERE:
			1/2	NW & SE 1/4 OF LSD.
NORTHMINSTER NORTH G.P. SAND	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD.
NORTHMINSTER NORTH SPARKY SAND	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD.
NORTHMINSTER SPARKY SAND	SOLUTION GAS DRIVE	WATERFLOOD IN: NORTHMINSTER SPARKY VOLUNTARY UNIT	1	SW 1/4 OF LSD, EXCEPT: TWP 50, RGE 27, SEC: NW 1/4 OF 2, 11, LSDS 12,13,14,15 & 16 OF 12, S 1/2 & NW 1/4 OF 13, 14, N 1/2 OF 18, NW 1/4 OF 20, W 1/2 OF 29, 30, 31; TWP 50, RGE 28, SEC: E 1/2 OF 36; WHERE:
			1	SE 1/4 OF LSD.
NORTH PORTAL MIDALE BEDS	SOLUTION GAS DRIVE	NONE	2	ODD NUMBERED LSD.

DEVELOPMENT DATA - OIL POOLS

POOL NAME	NATURAL DEPLETION MECHANISM	ENHANCED RECOVERY PROJECTS	SPACING REGULATIONS * DRAINAGE UNITS, LSDS	TARGET AREA
NORTH PREMIER ROSERAY SAND	SOLUTION GAS DRIVE	WATERFLOOD IN: 1: NORTH PREMIER UNIT NO. 1 2: NORTH PREMIER UNIT NO. 4	1	SW 1/4 OF LSD.
NORTH PREMIER UPPER SHAUNAVON	SOLUTION GAS DRIVE	WATERFLOOD IN: 1: NORTH PREMIER UPPER SHAUNAVON VOLUNTARY UNIT 2: NORTH PREMIER VOL. UNIT NO. 4	1	SW 1/4 OF LSD. EXCEPT: TWP 14, RGE 19, SEC: NW 1/4 OF 27, N 1/2 OF 28, 33; WHERE:
			1	CENTER OF LSD.
NORTH SMILEY BAKKEN SAND	SOLUTION GAS DRIVE	WATERFLOOD IN: NORTH SMILEY BAKKEN SAND VOLUNTARY UNIT NO. 1	1	SE 1/4 OF LSD.
NOTTINGHAM ALIDA BEDS	WATER DRIVE	NONE	2	EVEN NUMBERED LSD.
NOTTINGHAM EAST TILSTON BEDS	WATER DRIVE	NONE	2	EVEN NUMBERED LSD.
NOTTINGHAM NORTH TILSTON BEDS	WATER DRIVE	NONE	2	EVEN NUMBERED LSD.
NOTTINGHAM SOUTH FROB-ALIDA BEDS	WATER DRIVE	NONE	2	EVEN NUMBERED LSD. EXCEPT: TWP 5, RGE 33, SEC: 10, W 1/2 OF 11, 14, 15, 23, W 1/2 OF 24; WHERE:
			1	CENTER OF LSD.
NOTUKEU UPPER SHAUNAVON	SOLUTION GAS DRIVE	NONE	4	SE LSD OF 1/4 SECTION.
OAKLEY FROBISHER BEDS	WATER DRIVE	NONE	2	EVEN NUMBERED LSD.
ONWARD BASAL MANNVILLE SAND	PARTIAL WATER DRIVE	NONE	1	SE 1/4 OF LSD. EXCEPT: TWP 34, RGE 24, SEC: LSDS 1 & 8 OF 10, LSDS 2, 3, 4 & 5 OF 11; WHERE:
			1/2	NW & SE 1/4 OF LSD.
OPENSHAW FROBISHER BEDS	WATER DRIVE	NONE	2	ODD NUMBERED LSD.
OUNGRE RATCLIFFE BEDS	SOLUTION GAS DRIVE	WATERFLOOD IN: OUNGRE VOLUNTARY UNIT NO. 1	2	ODD NUMBERED LSD. EXCEPT: TWP 2, RGE 14, SEC: N 1/2 OF 14, NW 1/4 OF 15, NE 1/4 OF 16, N 1/2 OF 19, N 1/2 & SE 1/4 OF 20, 21, 22, 23, 26 TO 30, SE 1/4 OF 31, S 1/2 OF 32, SW 1/4 OF 33; TWP 2, RGE 15, SEC: NE 1/4 OF 25; WHERE:
			1	CENTER OF LSD.
OXBOW FROBISHER BEDS	WATER DRIVE	NONE	2	ODD NUMBERED LSD.
PARKMAN SOURIS VALLEY BEDS	WATER DRIVE	NONE	2	EVEN NUMBERED LSD.
PARKMAN SOUTH TILSTON-SOURIS VALLEY BEDS	WATER DRIVE	NONE	1	CENTER OF LSD.
PARKMAN TILSTON BEDS	WATER DRIVE	NONE	1	CENTER OF LSD.
PARKMAN TILSTON-SOURIS VALLEY	WATER DRIVE	NONE	1	SEE POOL ORDER FOR DETAILS.
PENNANT UPPER SHAUNAVON	SOLUTION GAS DRIVE	WATERFLOOD IN: PENNANT UPPER SHAUNAVON VOLUNTARY UNIT	1	CENTER OF LSD.
PIKES PEAK G.P. SAND	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD.
PIKES PEAK SPARKY SAND	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD.
PIKES PEAK WASECA SAND	SOLUTION GAS DRIVE	CYCLIC STEAM STIMULATION	1	SE 1/4 OF LSD.
PINTO EAST MIDALE BEDS	SOLUTION GAS DRIVE	NONE	2	ODD NUMBERED LSD.
PINTO FROBISHER BEDS	WATER DRIVE	NONE	2	EVEN NUMBERED LSD. EXCEPT: A: TWP 1, RGE 4, SEC: S 1/2 OF 26, TWP 2, RGE 4, SEC: 5; WHERE:
			2	ODD NUMBERED LSD. B: TWP 2, RGE 4, SEC: NW 1/4 OF 2, S 1/2 OF 11, N 1/2 OF 26, S 1/2 OF 35, WHERE:
			1	CENTER OF LSD.

DEVELOPMENT DATA - OIL POOLS

POOL NAME	NATURAL DEPLETION MECHANISM	ENHANCED RECOVERY PROJECTS	SPACING REGULATIONS * DRAINAGE UNITS, LSDS	TARGET AREA
PINTO MIDALE BEDS	SOLUTION GAS DRIVE	WATERFLOOD IN: 1. SOUTH PINTO UNIT 2. PINTO VOL. UNIT NO. 2	2	EVEN NUMBERED LSD, EXCEPT: TWP 1, RGE 4, SEC: S 1/2 OF 28; TWP 2, RGE 4, SEC: 5; WHERE:
			2	ODD NUMBERED LSD.
PLATO NORTH VIKING	SOLUTION GAS DRIVE	PILOT WATERFLOOD	1	CENTER OF LSD.
PLATO VIKING	SOLUTION GAS DRIVE	WATERFLOOD IN: PLATO VIKING VOLUNTARY UNIT NO. 1	1	CENTER OF LSD.
PLENTY VIKING SAND	SOLUTION GAS DRIVE	NONE	1	CENTER OF LSD.
PLOVER LAKE BAKKEN SAND	SOLUTION GAS DRIVE	PILOT WATERFLOOD (SUSPENDED) STEAMFLOOD	1	SE 1/4 OF LSD.
PLOVER LAKE EAST BAKKEN SAND	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD.
PLOVER LAKE MCLAREN SAND	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD, EXCEPT: TWP 39, RGE 27, SEC: LSD 15 OF 35; TWP 39, RGE 27, SEC: LSDS 1 & 2 OF 2; WHERE:
			1/2	NW & SE 1/4 OF LSD.
PLOVER LAKE WEST BAKKEN SAND	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD.
PRAIREDALE VIKING SAND	SOLUTION GAS DRIVE	NONE	1	CENTER OF LSD.
QUEENSDALE EAST FROBISHER-ALIDA BEDS	WATER DRIVE	NONE	1	CENTER OF LSD, EXCEPT: TWP 5, RGE 34, SEC: NE 1/4 OF 21, E 1/2 OF 28, E 1/3 OF 33; TWP 6, RGE 34, SEC: E 1/2 OF 4, E 1/2 OF 9, E 1/2 OF 16, SE 1/4 OF 21; WHERE: SEE POOL REGULATIONS REGARDING PARTIAL LEGAL SUBDIVISIONS.
QUEENSDALE NORTH ALIDA BEDS	WATER DRIVE	NONE	1	CENTER OF LSD.
QUEENSDALE WEST ALIDA BEDS	WATER DRIVE	NONE	1	CENTER OF LSD.
QUEENSDALE WEST LOWER WATROUS	WATER DRIVE	NONE	2	EVEN NUMBERED LSD.
RALPH MIDALE BEDS	SOLUTION GAS DRIVE	WATERFLOOD IN: RALPH MIDALE BEDS VOL. UNIT	2	ODD NUMBERED LSD.
RALPH WEST MIDALE BEDS	SOLUTION GAS DRIVE	WATERFLOOD IN: RALPH WEST MIDALE BEDS VOL. UNIT NO. 1	2	ODD NUMBERED LSD, EXCEPT: TWP 7, RGE 14, SEC: N 1/2 OF 28, NE 1/4 OF 29, S 1/2 OF 33, S 1/2 & LSDS 9, 10, 11, & 12 OF 34; WHERE:
			1	CENTER OF LSD.
RANGEVIEW EAST MADISON	WATER DRIVE	NONE	1	CENTER OF LSD.
RANGEVIEW MADISON	WATER DRIVE	NONE	1	CENTER OF LSD.
RAPDAN NORTH LOWER SHAUNAVON	SOLUTION GAS DRIVE	NONE	4	SW LSD OF 1/4 SECTION.
RAPDAN SOUTH UPPER SHAUNAVON	SOLUTION GAS DRIVE	WATERFLOOD	4	SW LSD OF 1/4 SECTION.
RAPDAN UPPER SHAUNAVON	SOLUTION GAS DRIVE	WATERFLOOD IN: 1: RAPDAN UNIT 2: NORTH RAPDAN UPPER SHAUNAVON VOLUNTARY UNIT 3: RAPDAN UPPER SHAUNAVON VOLUNTARY UNIT NO. 2 PILOT POLYMER FLOOD IN: RAPDAN UNIT	1	CENTER OF LSD, EXCEPT: TWP 4, RGE 20, SEC: 4, 9; WHERE:
			2	EVEN NUMBERED LSD.
RAPDAN WEST SHAUNAVON	SOLUTION GAS DRIVE	NONE	4	NE LSD OF 1/4 SECTION.
RED JACKET GRAVELBOURG	WATER DRIVE	NONE	2	EVEN NUMBERED LSD.
RED JACKET SAND	WATER DRIVE	NONE	1/4	CENTER OF DRAINAGE UNIT.
RED JACKET SOUTH RED JACKET SAND	WATER DRIVE	NONE	1/4	CENTER OF DRAINAGE UNIT.
REDVERS TILSTON BEDS	WATER DRIVE	NONE	2	EVEN NUMBERED LSD.

DEVELOPMENT DATA - OIL POOLS

POOL NAME	NATURAL DEPLETION MECHANISM	ENHANCED RECOVERY PROJECTS	SPACING REGULATIONS * DRAINAGE UNITS, LSDS	TARGET AREA
ROCANVILLE BAKKEN SAND	PARTIAL WATER DRIVE	WATERFLOOD IN: 1: ROCANVILLE BAKKEN VOLUNTARY UNIT NO. 1 2: ROCANVILLE BAKKEN SAND VOLUNTARY UNIT NO. 2	1	CENTER OF LSD.
RONCOTT BAKKEN SAND	SOLUTION GAS DRIVE	PILOT WATERFLOOD	2	ODD NUMBERED LSD.
ROSEBANK ALIDA BEDS	WATER DRIVE	NONE	1	CENTER OF LSD.
ROSEBANK SOUTH ALIDA BEDS	WATER DRIVE	NONE	1	CENTER OF LSD.
RUSH LAKE G.P. SAND	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD, EXCEPT: TWP 47, RGE 21, SEC: 32; TWP 48, RGE 21, SEC: 5, S 1/2 & LSDS 9 & 16 OF 6, 8, SE 1/4 & N 1/2 OF 9, W 1/2 OF 15, S 1/2 & NE 1/4 & LSDS 11 & 12 OF 16; TWP 48, RGE 22, SEC: 1, SE 1/4 OF 12; WHERE:
			1/2	NW & SE 1/4 OF LSD.
RUSH LAKE MANNVILLE SANDS	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD, EXCEPT: TWP 47, RGE 21, SEC: 32; TWP 48, RGE 21, SEC: 5, S 1/2 & LSDS 9 & 16 OF 6, 8, SE 1/4 & N 1/2 OF 9, W 1/2 OF 15, S 1/2 & NE 1/4 & LSDS 11 & 12 OF 16; TWP 48, RGE 22, SEC: 1, SE 1/4 OF 12; WHERE:
			1/2	NW & SE 1/4 OF LSD.
RUSH LAKE SPARKY SAND	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD, EXCEPT: TWP 47, RGE 21, SEC: 32; TWP 48, RGE 21, SEC: 5, S 1/2 & LSDS 9 & 16 OF 6, 8, SE 1/4 & N 1/2 OF 9, W 1/2 OF 15, S 1/2 & NE 1/4 & LSDS 11 & 12 OF 16; TWP 48, RGE 22, SEC: 1, SE 1/4 OF 12; WHERE:
			1/2	NW & SE 1/4 OF LSD.
RUSH LAKE WASECA SAND	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD, EXCEPT: TWP 47, RGE 21, SEC: 32; TWP 48, RGE 21, SEC: 5, S 1/2 & LSDS 9 & 16 OF 6, 8, SE 1/4 & N 1/2 OF 9, W 1/2 OF 15, S 1/2 & NE 1/4 & LSDS 11 & 12 OF 16; TWP 48, RGE 22, SEC: 1, SE 1/4 OF 12; WHERE:
			1/2	NW & SE 1/4 OF LSD.
RUTLAND CUMMINGS-DINA SAND	PARTIAL WATER DRIVE	NONE	1	SE 1/4 OF LSD.
SALT LAKE LLOYDMINSTER SAND	SOLUTION GAS DRIVE	WATERFLOOD	1	SE 1/4 OF LSD.
SENLAC CUMMINGS-DINA SAND	PARTIAL WATER DRIVE	NONE	1	SE 1/4 OF LSD.
SENLAC LLOYDMINSTER SAND	SOLUTION GAS DRIVE	WATERFLOOD	1	SE 1/4 OF LSD.
SENLAC WASECA SAND	PARTIAL WATER DRIVE	NONE	1	SE 1/4 OF LSD.
SERVICE TILSTON BEDS	WATER DRIVE	NONE	2	EVEN NUMBERED LSD, EXCEPT: TWP 8, RGE 34, SEC: NW 1/4 OF 11, SW 1/4 OF 14; WHERE: SPECIAL PROVISIONS FOR PARTIAL SECTIONS.
SEWARD BASAL MANNVILLE SAND	SOLUTION GAS DRIVE	NONE	2	EVEN NUMBERED LSD.
SHERWOOD FROBISHER BEDS	WATER DRIVE	NONE	1	CENTER OF LSD.

DEVELOPMENT DATA - OIL POOLS

POOL NAME	NATURAL DEPLETION MECHANISM	ENHANCED RECOVERY PROJECTS	SPACING REGULATIONS * DRAINAGE UNITS, LSDS	TARGET AREA
SILVERDALE SPARKY SAND	SOLUTION GAS DRIVE	PILOT WATER ALTERNATING GAS INJECTION	1/4	CENTER OF EACH 1/4 LSD, EXCEPT: A: TWP 49, RGE 26, SEC: LSDS 3,6,11,14 & E 1/2 OF 14, LSDS 3,6,11,14 & SE 1/4 OF 23; WHERE:
			1	CENTER OF LSD; B: TWP 48, RGE 26, SEC: LSDS 4,5,12 & 13 OF 14, LSDS 1,8,9 & 16 OF 15, LSDS 1,8,9 & 16 OF 22, LSDS 4,5,12 & 13 OF 23, LSDS 1,8,9 & 16 OF 27, LSDS 1,8, 9 & 16 OF 34; TWP 49, RGE 26, SEC: LSDS 1,8,9, & 16 OF 3, LSDS 1,8,9 & 16 OF 10, LSDS 1,8,9 & 16 OF 15; WHERE: SPECIAL PROVISIONS FOR PARTIAL SECTIONS.
SILVERTON EAST FROBISHER BEDS	SOLUTION GAS DRIVE	NONE	2	EVEN NUMBERED LSD.
SILVERTON FROBISHER BEDS	WATER DRIVE	NONE	1	CENTER OF LSD.
SILVERTON NORTH FROBISHER BEDS	WATER DRIVE	NONE	2	EVEN NUMBERED LSD.
SKINNER LAKE RATCLIFFE BEDS	SOLUTION GAS DRIVE	NONE	2	ODD NUMBERED LSD.
SMILEY-DEWAR VIKING	SOLUTION GAS DRIVE	WATERFLOOD	1	CENTER OF LSD, EXCEPT: TWP 30, RGE 25, SEC: 29, 30, 31, 32: WHERE: SPECIAL PROVISIONS FOR THESE SECTIONS.
SODA LAKE CUMMINGS SAND	PARTIAL WATER DRIVE	STEAMFLOOD	1	SE 1/4 OF LSD.
SOURIS FLAT FROBISHER BEDS	WATER DRIVE	NONE	1	CENTER OF LSD.
SOURIS FLAT SOUTH FROBISHER BEDS	WATER DRIVE	NONE	2	ODD NUMBERED LSD.
SOUTH FLETWODE TILSTON BEDS	WATER DRIVE	NONE	1	CENTER OF LSD.
SOUTH SUCCESS ROSERAY SAND	SOLUTION GAS DRIVE PARTIAL WATER DRIVE	WATERFLOOD IN: SUCCESS UNIT	1	SW 1/4 OF LSD.
STANDARD HILL NORTH G.P. SAND	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD, EXCEPT: TWP 50, RGE 22, SEC: 14, 15; WHERE:
			1/2	SE & NW 1/4 OF LSD.
STANDARD HILL NORTH REX SAND	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD, EXCEPT: TWP 50, RGE 22, SEC: 14, 15; WHERE:
			1/2	SE & NW 1/4 OF LSD.
STANDARD HILL NORTH SPARKY SAND	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD, EXCEPT: TWP 50, RGE 22, SEC: 14, 15; WHERE:
			1/2	SE & NW 1/4 OF LSD.
STANDARD HILL NORTH WASECA SAND	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD, EXCEPT: TWP 50, RGE 22, SEC: 14, 15; WHERE:
			1/2	SE & NW 1/4 OF LSD.
STANDARD HILL WASECA SAND	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD.
STAR VALLEY FROBISHER-ALIDA BEDS	WATER DRIVE	NONE	1	CENTER OF LSD.
STAR VALLEY SOUTH FROBISHER-ALIDA BEDS	WATER DRIVE	NONE	2	ODD NUMBERED LSD.
STEELMAN FROBISHER BEDS	WATER DRIVE	NONE	2	ODD NUMBERED LSD.

DEVELOPMENT DATA - OIL POOLS

POOL NAME	NATURAL DEPLETION MECHANISM	ENHANCED RECOVERY PROJECTS	SPACING REGULATIONS * DRAINAGE UNITS, LSDS	TARGET AREA
STEELMAN MIDALE BEDS	SOLUTION GAS DRIVE	WATERFLOOD IN: 1: STEELMAN UNIT NO. 1A 2: STEELMAN UNIT NO. 2 3: STEELMAN UNIT NO. 3 4: STEELMAN UNIT NO. 4 5: STEELMAN UNIT NO. 5 6: STEELMAN UNIT NO. 6 7: STEELMAN UNIT NO. 7 8: LAMPMAN UNIT 9: DOUGLASTON MIDALE BEDS UNIT 10: STEELMAN NORTH MIDALE VOLUNTARY UNIT NO. 1 11: STEELMAN NORTH MIDALE VOLUNTARY UNIT NO. 2	2	ODD NUMBERED LSD.
STEELMAN WINNIPEGOSIS	SOLUTION GAS DRIVE	WATERFLOOD IN: STEELMAN WINNIPEGOSIS VOLUNTARY UNIT NO. 1	4	CENTER OF 1/4 SECTION.
STORTHOAKS ALIDA BEDS	PARTIAL WATER DRIVE	WATERFLOOD IN: STORTHOAKS ALIDA VOLUNTARY UNIT NO. 1	2	EVEN NUMBERED LSD.
STORTHOAKS EAST TILSTON BEDS	WATER DRIVE	NONE	2	EVEN NUMBERED LSD.
STORTHOAKS NORTH TILSTON BEDS	WATER DRIVE	NONE	2	EVEN NUMBERED LSD.
STORTHOAKS TILSTON BEDS	WATER DRIVE	NONE	2	EVEN NUMBERED LSD.
STOUGHTON FROBISHER-ALIDA BEDS	WATER DRIVE	NONE	2	ODD NUMBERED LSD.
STOUGHTON NORTH FROBISHER BEDS	WATER DRIVE	NONE	2	ODD NUMBERED LSD.
STOUGHTON SOUTH FROBISHER BEDS	WATER DRIVE	NONE	2	ODD NUMBERED LSD.
SUCCESS NORTH ROSERAY SAND	SOLUTION GAS DRIVE	WATERFLOOD IN: SUCCESS NORTH ROSERAY VOLUNTARY UNIT	1	CENTER OF LSD.
SUCCESS ROSERAY SAND ALPHA	SOLUTION GAS DRIVE	WATERFLOOD IN: SUCCESS ALPHA UNIT	1	SW 1/4 OF LSD.
SUFFIELD BASAL CANTUAR SAND	SOLUTION GAS DRIVE	WATERFLOOD	1	SE 1/4 OF LSD.
SUFFIELD ROSERAY SAND	SOLUTION GAS DRIVE	WATERFLOOD IN: 1: SUFFIELD UNIT NO. 1 2: SUFFIELD UNIT NO. 3	2	ODD NUMBERED LSD, EXCEPT: TWP 14, RGE 19, SEC: 17, E 1/2 & NW 1/4 OF 18, S 1/2 OF 19, S 1/2 OF 20; WHERE:
			1	CENTER OF LSD.
SUFFIELD UPPER SHAUNAVON	SOLUTION GAS DRIVE	WATERFLOOD IN: 1: SUFFIELD UNIT NO. 2 2: SUFFIELD UNIT NO. 3	2	ODD NUMBERED LSD.
SUPERB NORTH WASECA SAND	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD.
TABLELAND WINNIPEGOSIS	SOLUTION GAS DRIVE	WATERFLOOD IN: TABLELAND VOL. UNIT NO. 1	4	SE LSD OF 1/4 SECTION.
TANGLEFLAGS EAST MCLAREN SAND	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD.

DEVELOPMENT DATA - OIL POOLS

POOL NAME	NATURAL DEPLETION MECHANISM	ENHANCED RECOVERY PROJECTS	SPACING REGULATIONS * DRAINAGE UNITS, LSDS	TARGET AREA
TANGLEFLAGS G.P. SAND	SOLUTION GAS DRIVE	PILOT IN-SITU WET COMBUSTION (SUSPENDED)	1	SE 1/4 OF LSD, EXCEPT: TWP 50, RGE 24, SEC: 18; TWP 51, RGE 24, SEC: W 1/2 OF 19, W 1/2 OF 30; TWP 50, RGE 25, SEC: E 1/2 OF 28; WHERE:
			1/2	SE & NW 1/4 OF LSD.
TANGLEFLAGS LLOYDMINSTER SAND	SOLUTION GAS DRIVE	WATERFLOOD IN: 1: TANGLEFLAGS VOL. UNIT NO. 2 2: TANGLEFLAGS VOL. UNIT NO. 4	1	SE 1/4 OF LSD, EXCEPT: TWP 50, RGE 24, SEC: 18; TWP 51, RGE 24, SEC: W 1/2 OF 19, W 1/2 OF 30; TWP 50, RGE 25, SEC: E 1/2 OF 28; WHERE:
			1/2	SE & NW 1/4 OF LSD.
TANGLEFLAGS MANNVILLE SANDS	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD, EXCEPT: TWP 50, RGE 24, SEC: 18; TWP 51, RGE 24, SEC: W 1/2 OF 19, W 1/2 OF 30; TWP 50, RGE 25, SEC: E 1/2 OF 28; WHERE:
			1/2	SE & NW 1/4 OF LSD.
TANGLEFLAGS MCLAREN SAND	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD, EXCEPT: TWP 50, RGE 24, SEC: 18; TWP 51, RGE 24, SEC: W 1/2 OF 19, W 1/2 OF 30; TWP 50, RGE 25, SEC: E 1/2 OF 28; WHERE:
			1/2	SE & NW 1/4 OF LSD.
TANGLEFLAGS NORTH G.P. SAND	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD, EXCEPT: TWP 52, RGE 25, SEC: 10 TO 15; WHERE:
			1/2	SE & NW 1/4 OF LSD.
TANGLEFLAGS NORTH LLOYD/ CUMMINGS SAND	SOLUTION GAS DRIVE	STEAMFLOOD/HORIZONTAL WELLS	1	SE 1/4 OF LSD, EXCEPT: TWP 52, RGE 25, SEC: 10 TO 15; WHERE:
			1/2	SE & NW 1/4 OF LSD.
TANGLEFLAGS SPARKY SAND	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD, EXCEPT: TWP 50, RGE 24, SEC: 18; TWP 51, RGE 24, SEC: W 1/2 OF 19, W 1/2 OF 30; TWP 50, RGE 25, SEC: E 1/2 OF 28; WHERE:
			1/2	SE & NW 1/4 OF LSD.
TANGLEFLAGS WEST G.P. SAND	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD, EXCEPT: TWP 50, RGE 25, SEC: W 1/2 OF 28, E 1/2 OF 30, N 1/2 OF 32; TWP 51, RGE 25, SEC: W 1/2 OF 4, 10, 15, 16, 22, 27; WHERE:
			1/2	SE & NW 1/4 OF LSD.
TANGLEFLAGS WEST LLOYD. SAND	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD, EXCEPT: TWP 50, RGE 25, SEC: W 1/2 OF 28, E 1/2 OF 30, N 1/2 OF 32; TWP 51, RGE 25, SEC: W 1/2 OF 4, 10, 15, 16, 22, 27; WHERE:
			1/2	SE & NW 1/4 OF LSD.

DEVELOPMENT DATA - OIL POOLS

POOL NAME	NATURAL DEPLETION MECHANISM	ENHANCED RECOVERY PROJECTS	SPACING REGULATIONS * DRAINAGE UNITS, LSDS	TARGET AREA
TANGLEFLAGS WEST MANNVILLE SANDS	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD, EXCEPT: TWP 50, RGE 25, SEC: W 1/2 OF 28, E 1/2 OF 30, N 1/2 OF 32; TWP 51, RGE 25, SEC: W 1/2 OF 4, 10, 15, 16, 22, 27; WHERE:
			1/2	SE & NW 1/4 OF LSD.
TANGLEFLAGS WEST MCLAREN SAND	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD, EXCEPT: TWP 50, RGE 25, SEC: W 1/2 OF 28, E 1/2 OF 30, N 1/2 OF 32; TWP 51, RGE 25, SEC: W 1/2 OF 4, 10, 15, 16, 22, 27; WHERE:
			1/2	SE & NW 1/4 OF LSD.
TANGLEFLAGS WEST SPARKY SAND	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD, EXCEPT: TWP 50, RGE 25, SEC: W 1/2 OF 28, E 1/2 OF 30, N 1/2 OF 32; TWP 51, RGE 25, SEC: W 1/2 OF 4, 10, 15, 16, 22, 27; WHERE:
			1/2	SE & NW 1/4 OF LSD.
TATAGWA CENTRAL MIDALE BEDS	PARTIAL WATER DRIVE	NONE	1	CENTER OF LSD.
TATAGWA MIDALE BEDS	WATER DRIVE	NONE	1	CENTER OF LSD.
TATAGWA NORTH MIDALE BEDS	SOLUTION GAS DRIVE	WATERFLOOD	2	ODD NUMBERED LSD.
TATAGWA WEST MIDALE BEDS	WATER DRIVE	NONE	2	ODD NUMBERED LSD.
THIRTY LAKE ALIDA BEDS	WATER DRIVE	NONE	2	ODD NUMBERED LSD.
TURTLEFORD SPARKY SAND	SOLUTION GAS DRIVE	NONE	1/2	SE & NW 1/4 OF LSD.
TURTLEFORD WASECA SAND	SOLUTION GAS DRIVE	NONE	1/2	SE & NW 1/4 OF LSD.
UNION JACK MIDALE BEDS	WATER DRIVE	NONE	2	ODD NUMBERED LSD.
VERENDRYE VIKING SAND	SOLUTION GAS DRIVE	NONE	1	CENTER OF LSD.
VERLO ROSERAY SAND	SOLUTION GAS DRIVE PARTIAL WATER DRIVE	WATERFLOOD IN: VERLO ROSERAY SAND UNIT	1	CENTER OF LSD.
VIEWFIELD EAST FROBISHER BEDS	WATER DRIVE	NONE	2	ODD NUMBERED LSD.
VIEWFIELD FROBISHER BEDS	SOLUTION GAS DRIVE PARTIAL WATER DRIVE	WATERFLOOD IN: VIEWFIELD VOL. UNIT NO. 1 (SUSP)	1	CENTER OF LSD.
VIEWFIELD RIM	SOLUTION GAS DRIVE PARTIAL WATER DRIVE	NONE	1	CENTER OF LSD.
VIEW HILL MIDALE BEDS	WATER DRIVE	NONE	2	ODD NUMBERED LSD.
WAPELLA MANNVILLE SAND	WATER DRIVE	NONE	1	SEE POOL ORDER FOR DETAILS.
WAPELLA RED JACKET SAND	WATER DRIVE	NONE	1	SEE POOL ORDER FOR DETAILS.
WAPELLA SAND	WATER DRIVE	NONE	1	SEE POOL ORDER FOR DETAILS.
WARMLEY ALIDA BEDS	WATER DRIVE	NONE	2	ODD NUMBERED LSD.
WAUCHOPE ALIDA-TILSTON BEDS	WATER DRIVE	NONE	1	CENTER OF LSD.
WAUCHOPE CENTRAL TILSTON BEDS	WATER DRIVE	NONE	2	EVEN NUMBERED LSD.
WAUCHOPE NORTH TILSTON BEDS	WATER DRIVE	NONE	1	CENTER OF LSD.
WAUCHOPE SOUTH ALIDA BEDS	WATER DRIVE	NONE	2	EVEN NUMBERED LSD.
WAUCHOPE WEST ALIDA BEDS	WATER DRIVE	NONE	2	EVEN NUMBERED LSD, EXCEPT: TWP 6, RGE 34, SEC: NE 1/4 OF 33, NW 1/4 OF 34; TWP 7, RGE 34, SEC: SW 1/4 OF 2; WHERE:
				SEE POOL REGULATIONS RE PARTIAL SECTIONS.
WEBB CANTUAR SAND	SOLUTION GAS DRIVE	WATERFLOOD	1	CENTER OF LSD.
WEBB SOUTH CANTUAR SAND	SOLUTION GAS DRIVE	WATERFLOOD	1	CENTER OF LSD.
WEBB WEST CANTUAR SAND	SOLUTION GAS DRIVE	WATERFLOOD	1	CENTER OF LSD.
WEIR HILL FROBISHER BEDS	WATER DRIVE	NONE	1	CENTER OF LSD.
WELWYN BAKKEN SAND	SOLUTION GAS DRIVE	NONE	2	EVEN NUMBERED LSD.

DEVELOPMENT DATA - OIL POOLS

POOL NAME	NATURAL DEPLETION MECHANISM	ENHANCED RECOVERY PROJECTS	SPACING REGULATIONS * DRAINAGE UNITS, LSDS	TARGET AREA
WELWYN RED JACKET	SOLUTION GAS DRIVE	NONE	1	CENTER OF LSD.
WELWYN SOUTH BAKKEN SAND	SOLUTION GAS DRIVE	NONE	1	CENTER OF LSD.
WESTHAZEL G.P. SAND	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD, EXCEPT: TWP 51, RGE 22, SEC: 4; WHERE:
			1/2	SE & NW 1/4 OF LSD.
WESTHAZEL MANNVILLE SANDS	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD, EXCEPT: TWP 51, RGE 22, SEC: 4; WHERE:
			1/2	SE & NW 1/4 OF LSD.
WESTHAZEL SPARKY SAND	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD, EXCEPT: TWP 51, RGE 22, SEC: 4; WHERE:
			1/2	SE & NW 1/4 OF LSD.
WESTHAZEL WASECA SAND	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD, EXCEPT: TWP 51, RGE 22, SEC: 4; WHERE:
			1/2	SE & NW 1/4 OF LSD.
WEST INNES FROBISHER BEDS	WATER DRIVE	NONE	1	CENTER OF LSD.
WEST KINGSFORD MIDALE BEDS	WATER DRIVE	NONE	2	ODD NUMBERED LSD.
WEYBURN FROBISHER BEDS	WATER DRIVE	NONE	2	EVEN NUMBERED LSD, EXCEPT: A: TWP 6, RGE 11, SEC: W 1/2 OF 31; TWP 7, RGE 11, SEC: 5, 6, 7, 8; TWP 5, RGE 12, SEC: S 1/2 OF 19, NW 1/4 OF 35; TWP 6, RGE 12, SEC: LSDS 13 & 14 OF 1, NE 1/4 & W 1/2 & LSDS 7 & 8 OF 2, 11, W 1/2 OF 12, 13, 14, NE 1/4 OF 22, 23, 24, 25, 26, 27, 33, 34, 35, 36; TWP 7, RGE 12, SEC: 1, 2, 3, 4, 5, E 1/2 OF 6, E 1/2 OF 7, 8, 9, 10, 11, 12, W 1/2 OF 14, 15, 16, 17, E 1/2 OF 18, SE 1/4 OF 19, 20, 21, 22, W 1/2 OF 23; TWP 7, RGE 13, SEC: E 1/2 OF 1, LSDS 7 & 8 & NE 1/4 OF 24; TWP 6, RGE 14, SEC: 28, 29, 32, 33; TWP 7, RGE 14, SEC: N 1/2 OF 2, 3, 4, 10, 11, W 1/2 OF 12; WHERE:
			2	ODD NUMBERED LSD; B: TWP 7, RGE 12, SEC: W 1/2 OF 6, W 1/2 OF 7, W 1/2 OF 18, W 1/2 & NE 1/4 OF 19; TWP 7, RGE 13, SEC: E 1/2 OF 12, E 1/2 OF 13, LSDS 1 & 2 OF 24; WHERE:
			1	CENTER OF LSD.

DEVELOPMENT DATA - OIL POOLS

POOL NAME	NATURAL DEPLETION MECHANISM	ENHANCED RECOVERY PROJECTS	SPACING REGULATIONS * DRAINAGE UNITS, LSDS	TARGET AREA
WEYBURN MIDALE BEDS	SOLUTION GAS DRIVE	WATERFLOOD IN: 1: WEYBURN UNIT 2: WEYBURN MIDALE VOL. UNIT NO. 2 3: WEYBURN MIDALE VOL. UNIT NO. 3 4: WEYBURN MIDALE VOL. UNIT NO. 4 5: WEYBURN MIDALE VOL. UNIT NO. 5 6: WEYBURN MIDALE VOL. UNIT NO. 6 7: WEYBURN MIDALE VOL. UNIT NO. 7 8: WEYBURN MIDALE VOL. UNIT NO. 8 9: WEYBURN MIDALE VOL. UNIT NO. 9	2	EVEN NUMBERED LSD; EXCEPT: A: TWP 6, RGE 11, SEC: W 1/2 OF 31; TWP 7, RGE 11, SEC: 5, 6, 7, 8; TWP 5, RGE 12, SEC: S 1/2 OF 19, NW 1/4 OF 35; TWP 6, RGE 12, SEC: LSDS 13 & 14 OF 1, NE 1/4 & W 1/2 & LSDS 7 & 8 OF 2, 11, W 1/2 OF 12, 13, 14, NE 1/4 OF 22, 23, 24, 25, 26, 27, 33, 34, 35, 36; TWP 7, RGE 12, SEC: 1, 2, 3, 4, 5, E 1/2 OF 6, E 1/2 OF 7, 8, 9, 10, 11, 12, W 1/2 OF 14, 15, 16, 17, E 1/2 OF 18, SE 1/4 OF 19, 20, 21, 22, W 1/2 OF 23; TWP 7, RGE 13, SEC: E 1/2 OF 1, LSDS 7 & 8 & NE 1/4 OF 24; TWP 6, RGE 14, SEC: 28, 29, 32, 33; TWP 7, RGE 14, SEC: N 1/2 OF 2, 3, 4, 10, 11, W 1/2 OF 12; WHERE: 2 ODD NUMBERED LSD; B: TWP 7, RGE 12, SEC: W 1/2 OF 6, W 1/2 OF 7, W 1/2 OF 18, W 1/2 & NE 1/4 OF 19; TWP 7, RGE 13, SEC: E 1/2 OF 12, E 1/2 OF 13, LSDS 1 & 2 OF 24; WHERE: 1 CENTER OF LSD;
WHITE BEAR TILSTON BEDS	WATER DRIVE	NONE	1	CENTER OF LSD;
WHITE BEAR TILSTON-SOURIS VALLEY BEDS	WATER DRIVE	NONE	1	CENTER OF LSD;
WHITEMUD SHAUNAVON	SOLUTION GAS DRIVE	PILOT WATERFLOOD	2	EVEN NUMBERED LSD;
WHITESIDE VIKING SAND	SOLUTION GAS DRIVE	WATERFLOOD IN: WHITESIDE VIK. VOL. UNIT (SUSP.)	1	CENTER OF LSD;
WILDWOOD ALIDA BEDS	WATER DRIVE	NONE	2	EVEN NUMBERED LSD;
WILLMAR FROBISHER ALIDA BEDS	WATER DRIVE SOLUTION GAS DRIVE PARTIAL WATER DRIVE	WATERFLOOD IN: 1: WILLMAR FROBISHER ALIDA VOLUNTARY UNIT NO. 1 2: NORTH DALESBORO UNIT NO. 1 3: NORTH CENTRAL WILLMAR VOL. UNIT	1	CENTER OF LSD;
WILLMAR NORTH FROBISHER ALIDA BEDS	SOLUTION GAS DRIVE	WATERFLOOD IN: WILLMAR NORTH FROB-ALIDA VOL. UNIT NO. 1	2	EVEN NUMBERED LSD;
WILLMAR WEST FROBISHER BEDS	WATER DRIVE	NONE	2	ODD NUMBERED LSD;
WINMORE FROBISHER BEDS	SOLUTION GAS DRIVE PARTIAL WATER DRIVE	NONE	2	ODD NUMBERED LSD;
WINTER CUMMINGS SAND	PARTIAL WATER DRIVE	NONE	1	SE 1/4 OF LSD;
WINTER SOUTH CUMMINGS SAND	PARTIAL WATER DRIVE	NONE	1	SE 1/4 OF LSD;
WORDSWORTH EAST FROBISHER BEDS	PARTIAL WATER DRIVE	NONE	2	EVEN NUMBERED LSD;
WORDSWORTH FROBISHER ALIDA BEDS	PARTIAL WATER DRIVE	NONE	2	ODD NUMBERED LSD;
WORDSWORTH NORTH FROBISHER-ALIDA BEDS	PARTIAL WATER DRIVE	NONE	2	ODD NUMBERED LSD;
WORKMAN FROBISHER BEDS	SOLUTION GAS DRIVE WATER DRIVE	WATERFLOOD IN: 1: WORKMAN FROB. VOL UNIT NO. 1 2: WORKMAN FROB VOL. UNIT NO. 2	2	ODD NUMBERED LSD;
WORKMAN MIDALE BEDS	SOLUTION GAS DRIVE	WATERFLOOD IN: 1: WORKMAN MIDALE VOL. UNIT NO. 1 2: WORKMAN MIDALE VOL. UNIT NO. 2	2	ODD NUMBERED LSD;
WORKMAN SOUTH FROBISHER BEDS	WATER DRIVE	NONE	2	ODD NUMBERED LSD;

* SPACING REGULATIONS IN EFFECT ON JANUARY 1, 1999

GAS POOL DEVELOPMENT DATA

POOL NAME	SPACING REGULATIONS * DRAINAGE UNIT SECTIONS	TARGET AREA
BARTHEL COLONY SAND GAS POOL	1	CENTER OF DRAINAGE UNIT (500 METRES FROM D.U. EDGE).
BAYHURST VIKING GAS POOL	1	CENTER OF DRAINAGE UNIT (500 METRES FROM D.U. EDGE).
BAYHURST WEST VIKING GAS POOL	1	CENTER OF DRAINAGE UNIT (500 METRES FROM D.U. EDGE).
BEACON HILL MANNVILLE SAND GAS POOL	1	CENTER OF DRAINAGE UNIT (500 METRES FROM D.U. EDGE).
BEACON HILL SOUTH MANNVILLE SAND GAS POOL	1	CENTER OF DRAINAGE UNIT (500 METRES FROM D.U. EDGE).
BEACON HILL WEST MANNVILLE SAND GAS POOL	1	CENTER OF DRAINAGE UNIT (500 METRES FROM D.U. EDGE).
BEAR CREEK MANNVILLE SAND GAS POOL	1	CENTER OF DRAINAGE UNIT (500 METRES FROM D.U. EDGE).
BEVERLEY EAST CANTUAR GAS POOL	1	CENTER OF DRAINAGE UNIT (500 METRES FROM D.U. EDGE).
BIGSTICK SECOND WHITE SPECKS GAS POOL	1	CENTER OF DRAINAGE UNIT (500 METRES FROM D.U. EDGE),
	1/2	EXCEPT: A: TWP 12, RGE 25, SEC: 14 TO 23, 26 TO 35; TWP 13, RGE 25, SEC: 1 TO 12, 15 TO 22; TWP 12, RGE 26, SEC: 6 TO 9, 13 TO 36; TWP 13, RGE 26, SEC: 1 TO 24; TWP 12, RGE 27, SEC: 1, 2, 10 TO 14, S 1/2 OF 17, 24, 26, S 1/2 OF 27, S 1/2 OF 34, S 1/2 OF 35; TWP 13, RGE 27, SEC: 1 TO 3, 10 TO 14, 22 TO 24; TWP 12, RGE 28, SEC: N 1/2 OF 24; TWP 13, RGE 28, SEC: S 1/2 OF 7, S 1/2 OF 17, S 1/2 OF 18, 34, 35; TWP 13, RGE 29, SEC: 1 TO 12, S 1/2 OF 17, S 1/2 OF 18, N 1/2 OF 23, N 1/2 OF 24, N 1/2 OF 25, 26, S 1/2 OF 35; TWP 14, RGE 29, SEC: 1, 2; TWP 13, RGE 30, SEC: 1, 12, N 1/2 OF 24, N 1/2 OF 25; TWP 14, RGE 30, SEC: 24, 25, 36; WHERE: CENTER OF NE AND SW 1/4 OF SECTION. B: TWP 13, RGE 27, SEC: 15, N 1/2 OF 32; TWP 12, RGE 28, SEC: N 1/2 OF 25, 26, S 1/2 OF 27, S 1/2 OF 34, S 1/2 OF 35; TWP 13, RGE 28, SEC: N 1/2 OF 4, N 1/2 OF 5, 8, N 1/2 OF 9; WHERE: NE CORNER OF NE AND SW 1/4 OF SECTION.
	1/4	C: TWP 12, RGE 27, SEC: 15, 16, N 1/2 OF 17, 19 to 23, 25, N 1/2 OF 27, N 1/2 of 34, N 1/2 OF 35, 36; TWP 12, RGE 28, SEC: S 1/2 OF 24; TWP 13, RGE 28, SEC: 6, N 1/2 OF 7, N 1/2 OF 17, N 1/2 OF 18, 19, 29 TO 33; TWP 13, RGE 29, SEC: 13 TO 16, N 1/2 OF 17, N 1/2 OF 18, 19 TO 22, S 1/2 OF 23, S 1/2 OF 24, S 1/2 OF 25, 27 TO 34, N 1/2 OF 35, 36; TWP 14, RGE 29, SEC: 3 TO 6; TWP 13, RGE 30, SEC: 13, E 1/2 OF 14, S 1/2 OF 24, S 1/2 OF 25, 36; TWP 14, RGE 30, SEC: 1 E 1/2 OF 2, E 1/2 OF 11, 12, 13, E 1/2 OF 14; WHERE: CENTER OF 1/4 SECTION.
	1/4	D: TWP 12, RGE 27, SEC: 28 TO 33; TWP 13, RGE 27, SEC: 4 TO 9, 16 TO 21, 28 TO 30, S 1/2 OF 32; TWP 12, RGE 28, SEC: S 1/2 OF 25, N 1/2 OF 27, 33, N 1/2 OF 34, N 1/2 OF 35, 36; TWP 13, RGE 28, SEC: 1 TO 3, S 1/2 OF 4, S 1/2 OF 5, S 1/2 OF 9, 10 TO 16, 20 TO 28; WHERE: NE CORNER OF 1/4 SECTION. E: TWP 13, RGE 30, SEC: 2, 11, LSDS 3 TO 6 & 11 TO 14 OF 14, 23, 26, 35; TWP 14, RGE 30, SEC: LSDS 3 TO 6 & 11 TO 14 OF 2, LSDS 3 TO 6 & 11 TO 14 OF 11, LSDS 3 TO 6 & 11 TO 14 OF 14, 23, 26, 35; TWP 15, RGE 30, SEC: 1, 12; WHERE: SEE POOL REGULATIONS RE PARTIAL SECTIONS.
BRANCH LAKE COLONY SAND GAS POOL	1	CENTER OF DRAINAGE UNIT (500 METRES FROM D.U. EDGE).
BROCK EAST VIKING GAS POOL	1	CENTER OF DRAINAGE UNIT (500 METRES FROM D.U. EDGE).
BROCK VIKING SAND GAS POOL	1	CENTER OF DRAINAGE UNIT (500 METRES FROM D.U. EDGE).
BRONSON LAKE COLONY SAND GAS POOL	1	CENTER OF DRAINAGE UNIT (500 METRES FROM D.U. EDGE).
BRONSON LAKE WASECA SAND GAS POOL	1	CENTER OF DRAINAGE UNIT (500 METRES FROM D.U. EDGE).

GAS POOL DEVELOPMENT DATA

POOL NAME	SPACING REGULATIONS * DRAINAGE UNIT SECTIONS	TARGET AREA
BURSTALL MEDICINE HAT SAND GAS POOL	1/4	NORTHEAST CORNER OF DRAINAGE UNIT, EXCEPT: TWP 19, RGE 29, SEC: 6, 7, 18, 19, 30, 31; TWP 20, RGE 29, SEC: 6; WHERE: SEE POOL REGULATIONS RE PARTIAL SECTIONS.
BURSTALL MILK RIVER GAS POOL	1/4	NORTHEAST CORNER OF DRAINAGE UNIT, EXCEPT: TWP 19, RGE 29, SEC: 6, 7, 18, 19, 30, 31; TWP 20, RGE 29, SEC: 6; WHERE: SEE POOL REGULATIONS RE PARTIAL SECTIONS.
BURSTALL MILK RIVER-MEDICINE HAT GAS POOL	1/4	NORTHEAST CORNER OF DRAINAGE UNIT, EXCEPT: TWP 19, RGE 29, SEC: 6, 7, 18, 19, 30, 31; TWP 20, RGE 29, SEC: 6; WHERE: SEE POOL REGULATIONS RE PARTIAL SECTIONS.
BURSTALL NORTH VIKING SAND GAS POOL	1	CENTER OF DRAINAGE UNIT (500 METRES FROM D.U. EDGE).
CARRUTHERS COLONY SAND GAS POOL	1	CENTER OF DRAINAGE UNIT (500 METRES FROM D.U. EDGE).
CAVALIER SPINNEY HILL SAND GAS POOL	1	CENTER OF DRAINAGE UNIT (500 METRES FROM D.U. EDGE).
COLD LAKE COLONY SAND GAS POOL	1	CENTER OF DRAINAGE UNIT (500 METRES FROM D.U. EDGE).
COLEVILLE-SMILEY VIKING SAND GAS POOL	1	CENTER OF DRAINAGE UNIT (500 METRES FROM D.U. EDGE).
CONSUL SECOND WHITE SPECKS GAS POOL	1	CENTER OF DRAINAGE UNIT (500 METRES FROM D.U. EDGE).
CONSUL UPPER SHAUNAVON GAS POOL	1	CENTER OF DRAINAGE UNIT (500 METRES FROM D.U. EDGE).
CRANE LAKE MEDICINE HAT SAND GAS POOL	1/4	NORTHEAST CORNER OF DRAINAGE UNIT, EXCEPT: TWP 12, RGE 25, SEC: 14 TO 23, 26 TO 35; TWP 13, RGE 25, SEC: 1 TO 36; WHERE: CENTER OF DRAINAGE UNIT.
CRANE LAKE MILK RIVER GAS POOL	1/4	NORTHEAST CORNER OF DRAINAGE UNIT, EXCEPT: TWP 12, RGE 25, SEC: 14 TO 23, 26 TO 35; TWP 13, RGE 25, SEC: 1 TO 36; WHERE: CENTER OF DRAINAGE UNIT.
CRANE LAKE MILK RIVER-MEDICINE HAT GAS POOL	1/4	NORTHEAST CORNER OF DRAINAGE UNIT, EXCEPT: TWP 12, RGE 25, SEC: 14 TO 23, 26 TO 35; TWP 13, RGE 25, SEC: 1 TO 36; WHERE: CENTER OF DRAINAGE UNIT.
CRANE LAKE SOUTH MEDICINE HAT SAND GAS POOL	1/4	NORTHEAST CORNER OF DRAINAGE UNIT, EXCEPT: TWP 12, RGE 21, SEC: 31; TWP 13, RGE 21, SEC: 6, 7, 18; TWP 12, RGE 22, SEC: 30, 31 & 33 TO 36; TWP 13, RGE 22, SEC: 1 TO 5, 8 TO 16, 21, 22, & 27 TO 30; TWP 12, RGE 23, SEC: 19 TO 26, 35, 36; TWP 13, RGE 23, SEC: 25, 26, 27; TWP 12, RGE 24, SEC: 5, 6, 7; TWP 12, RGE 25, SEC: 1, 2, 10, 11, 12, 13, 24, 25, 36; WHERE: CENTER OF DRAINAGE UNIT.
CRANE LAKE SOUTH MILK RIVER GAS POOL	1/4	NORTHEAST CORNER OF DRAINAGE UNIT, EXCEPT: TWP 12, RGE 21, SEC: 31; TWP 13, RGE 21, SEC: 6, 7, 18; TWP 12, RGE 22, SEC: 30, 31 & 33 TO 36; TWP 13, RGE 22, SEC: 1 TO 5, 8 TO 16, 21, 22, & 27 TO 30; TWP 12, RGE 23, SEC: 19 TO 26, 35, 36; TWP 13, RGE 23, SEC: 25, 26, 27; TWP 12, RGE 24, SEC: 5, 6, 7; TWP 12, RGE 25, SEC: 1, 2, 10, 11, 12, 13, 24, 25, 36; WHERE: CENTER OF DRAINAGE UNIT.
CRANE LAKE SOUTH MILK RIVER-MEDICINE HAT GAS POOL	1/4	NORTHEAST CORNER OF DRAINAGE UNIT, EXCEPT: TWP 12, RGE 21, SEC: 31; TWP 13, RGE 21, SEC: 6, 7, 18; TWP 12, RGE 22, SEC: 30, 31 & 33 TO 36; TWP 13, RGE 22, SEC: 1 TO 5, 8 TO 16, 21, 22, & 27 TO 30; TWP 12, RGE 23, SEC: 19 TO 26, 35, 36; TWP 13, RGE 23, SEC: 25, 26, 27; TWP 12, RGE 24, SEC: 5, 6, 7; TWP 12, RGE 25, SEC: 1, 2, 10, 11, 12, 13, 24, 25, 36; WHERE: CENTER OF DRAINAGE UNIT.

GAS POOL DEVELOPMENT DATA

POOL NAME	SPACING REGULATIONS * DRAINAGE UNIT SECTIONS	TARGET AREA
CRANE LAKE SOUTH SECOND WHITE SPECKS GAS POOL	1 1/2	CENTER OF DRAINAGE UNIT. EXCEPT: TWP 12, RGE 21, SEC: 31; TWP 13, RGE 21, SEC: 6, 7, 18; TWP 12, RGE 22, SEC: 30, 31 & 33 TO 36; TWP 13, RGE 22, SEC: 1 TO 5, 8 TO 22, & 27 TO 30; TWP 12, RGE 23, SEC: 19 TO 28, 35, 36; TWP 13, RGE 23, SEC: 13 TO 15 & 19 TO 27; TWP 12, RGE 24, SEC: 5, 6, 7; TWP 13, RGE 24, SEC: 20, 21, 28 & 29; TWP 12, RGE 25, SEC: 1, 2, 10, 11, 12, 13, 24, 25, 36; WHERE: CENTER OF NE AND SW 1/4 OF SECTION.
CYPRESS SECOND WHITE SPECKS GAS POOL	1	CENTER OF DRAINAGE UNIT (500 METRES FROM D.U. EDGE).
DOOSLAND NORTH VIKING GAS POOL	1	CENTER OF DRAINAGE UNIT (500 METRES FROM D.U. EDGE).
DRAKE LAKE COLONY SAND GAS POOL	1	CENTER OF DRAINAGE UNIT (500 METRES FROM D.U. EDGE).
DRIVER BAKKEN SAND GAS POOL	1	CENTER OF DRAINAGE UNIT (500 METRES FROM D.U. EDGE).
DRIVER MANNVILLE SAND GAS POOL	1	CENTER OF DRAINAGE UNIT (500 METRES FROM D.U. EDGE).
FLAT VALLEY COLONY SAND GAS POOL	1	CENTER OF DRAINAGE UNIT (500 METRES FROM D.U. EDGE).
FLAT VALLEY ST. WALBURG SAND GAS POOL	1	CENTER OF DRAINAGE UNIT (500 METRES FROM D.U. EDGE).
FORT PITT COLONY SAND GAS POOL	1	CENTER OF DRAINAGE UNIT (500 METRES FROM D.U. EDGE).
FORT PITT NORTH COLONY SAND GAS POOL	1	CENTER OF DRAINAGE UNIT (500 METRES FROM D.U. EDGE).
FORT PITT NORTH WASECA SAND GAS POOL	1	CENTER OF DRAINAGE UNIT (500 METRES FROM D.U. EDGE).
FREEFIGHT MILK RIVER GAS POOL	1/8 1/4	NORTHEAST CORNER OF EVEN NUMBERED LSDS. EXCEPT: TWP 15, RGE 22, SEC: E 1/2 & SW 1/4 OF 7, E 1/2 OF 18, E 1/2 OF 19, E 1/2 OF 30, E 1/2 OF 31; TWP 16, RGE 22, SEC: E 1/2 OF 6, E 1/2 OF 7, 8, 9, 16, E 1/2 OF 17, E 1/2 OF 18, E 1/2 OF 19, E 1/2 OF 20, E 1/2 OF 21, 28, 29, N 1/2 OF 31, 32, 33; TWP 15, RGE 23, SEC: 1, 2, S 1/2 & NE 1/4 OF 3, S 1/2 OF 4, S 1/2 OF 5, S 1/2 OF 6, S 1/2 OF 11, S 1/2 OF 12; TWP 16, RGE 23, SEC: NE 1/4 OF 36; TWP 17, RGE 23, SEC: E 1/2 & NW 1/4 OF 1, N 1/2 OF 2; TWP 15, RGE 24, SEC: S 1/2 OF 1, S 1/2 OF 2, S 1/2 OF 3; WHERE: NE CORNER OF LSDS 6, 8, 14, 16.
FREEFIGHT NORTH MILK RIVER GAS POOL	1/4	NORTHEAST CORNER OF DRAINAGE UNIT.
FRENCHMAN BUTTE COLONY SAND GAS POOL	1	CENTER OF DRAINAGE UNIT (500 METRES FROM D.U. EDGE).
FRENCHMAN BUTTE ST. WALBURG SAND GAS POOL	1	CENTER OF DRAINAGE UNIT (500 METRES FROM D.U. EDGE).
FRENCHMAN BUTTE WASECA SAND GAS POOL	1	CENTER OF DRAINAGE UNIT (500 METRES FROM D.U. EDGE).
GLIDDEN VIKING GAS POOL	1	CENTER OF DRAINAGE UNIT (500 METRES FROM D.U. EDGE).
GOLD LAKE COLONY SAND GAS POOL	1	CENTER OF DRAINAGE UNIT (500 METRES FROM D.U. EDGE).
GREENAN VIKING GAS POOL	1	CENTER OF DRAINAGE UNIT (500 METRES FROM D.U. EDGE).
GULL LAKE CANTUAR GAS POOL	1	CENTER OF DRAINAGE UNIT (500 METRES FROM D.U. EDGE).
HALLAM COLONY SAND GAS POOL	1	CENTER OF DRAINAGE UNIT (500 METRES FROM D.U. EDGE).
HALLAM WASECA SAND GAS POOL	1	CENTER OF DRAINAGE UNIT (500 METRES FROM D.U. EDGE).
HATTON MEDICINE HAT SAND GAS POOL	1/4, 1/2	VARIABLE, SEE POOL REGULATIONS FOR DETAILS.
HATTON MILK RIVER GAS POOL	1/4, 1/2	VARIABLE, SEE POOL REGULATIONS FOR DETAILS.
HATTON MILK RIVER-MEDICINE HAT GAS POOL	1/4, 1/2	VARIABLE, SEE POOL REGULATIONS FOR DETAILS.
HILLMOND COLONY SAND GAS POOL	1	CENTER OF DRAINAGE UNIT (500 METRES FROM D.U. EDGE).
HILLMOND LLOYDMINSTER SAND GAS POOL	1	CENTER OF DRAINAGE UNIT (500 METRES FROM D.U. EDGE).
HOOSIER VIKING SAND GAS POOL	1 1/2	CENTER OF DRAINAGE UNIT (500 METRES FROM D.U. EDGE). EXCEPT: TWP 30, RGE 27, SEC: 26, 27, 28, 31 TO 35; TWP 31, RGE 27, SEC: 1 TO 15; TWP 30, RGE 28, SEC: 31 TO 36; TWP 31, RGE 28, SEC: 1, 2, 3, 4, 11, 12; WHERE: CENTER OF NE AND SW 1/4 OF SECTION.

GAS POOL DEVELOPMENT DATA

POOL NAME	SPACING REGULATIONS * DRAINAGE UNIT SECTIONS	TARGET AREA
INGEBRIGT MILK RIVER GAS POOL	1/8 1/4	NORTHEAST CORNER OF EVEN NUMBERED LSDS, EXCEPT: TWP 15, RGE 24, SEC: S 1/2 OF 4, S 1/2 OF 5, S 1/2 OF 6; TWP 16, RGE 24, SEC: N 1/2 OF 31, N 1/2 OF 32, N 1/2 OF 33, N 1/2 OF 34; TWP 15, RGE 25, SEC: S 1/2 OF 1, S 1/2 OF 2, S 1/2 OF 3, S 1/2 & NW 1/4 OF 4, S 1/2 & NW 1/4 OF 5, S 1/2 & NW 1/4 OF 6, W 1/2 OF 7, W 1/2 OF 8, W 1/2 OF 9, SW 1/4 OF 16, SW 1/4 OF 17, W 1/2 OF 18, W 1/2 OF 19, W 1/2 OF 30, W 1/2 OF 31; TWP 16, RGE 25, SEC: NW 1/4 OF 5, W 1/2 OF 6, W 1/2 OF 7, W 1/2 OF 8, SW 1/4 OF 17, W 1/2 OF 18, W 1/2 OF 19, NW 1/4 OF 24, W 1/2 OF 25, W 1/2 OF 26, W 1/2 OF 30, W 1/2 OF 31; TWP 17, RGE 25, SEC: W 1/2 OF 6, W 1/2 OF 7, W 1/2 OF 18,W 1/2 OF 19, W 1/2 OF 30, W 1/2 & NE 1/4 OF 31, N 1/2 OF 32, N 1/2 OF 33, N 1/2 OF 34, N 1/2 OF 35, N 1/2 OF 36; WHERE: NE CORNER OF DRAINAGE UNIT.
KINDERSLEY VIKING SAND GAS POOL	1	CENTER OF DRAINAGE UNIT (500 METRES FROM D.U. EDGE).
LASHBURN MCLAREN SAND GAS POOL	1/2	NORTHWEST & SOUTHEAST 1/4 OF SECTION.
LIEBENTHAL MILK RIVER GAS POOL	1/4	NORTHEAST CORNER OF DRAINAGE UNIT, EXCEPT: A: TWP 19, RGE 25, SEC: 1 TO 4, 9 TO 16, 21 TO 28, & 33 TO 36; TWP 20, RGE 25, SEC: 1 TO 4; WHERE: CENTER OF DRAINAGE UNIT. B: TWP 18, RGE 25, SEC: 16 TO 21, 28 TO 33; WHERE: SECOND WELL ALLOWED IN LSDS 2 OR 10.
LLOYDMINSTER COLONY SAND GAS POOL	1/4	CENTER OF DRAINAGE UNIT (76 METRES FROM D.U. EDGE).
LLOYDMINSTER NORTH COLONY SAND GAS POOL	1/4	CENTER OF DRAINAGE UNIT (76 METRES FROM D.U. EDGE). EXCEPT: SPECIAL PROVISIONS FOR PARTIAL SECTIONS.
LOON LAKE COLONY SAND GAS POOL	1	CENTER OF DRAINAGE UNIT (500 METRES FROM D.U. EDGE).
LOVERNA NORTH BAKKEN SAND GAS POOL	1	CENTER OF DRAINAGE UNIT (500 METRES FROM D.U. EDGE), EXCEPT: TWP 31, RGE 29, SEC: 1, 2, 11, 12; WHERE: SEE POOL REGULATIONS RE PARTIAL SECTIONS.
LOVERNA NORTH MANNVILLE SAND GAS POOL	1	CENTER OF DRAINAGE UNIT (500 METRES FROM D.U. EDGE), EXCEPT: TWP 31, RGE 29, SEC: 1, 2, 11, 12; WHERE: SEE POOL REGULATIONS RE PARTIAL SECTIONS.
LOVERNA SOUTH BAKKEN SAND GAS POOL	1	CENTER OF DRAINAGE UNIT (500 METRES FROM D.U. EDGE).
LOVERNA SOUTH VIKING GAS POOL	1	CENTER OF DRAINAGE UNIT (500 METRES FROM D.U. EDGE).
LOVERNA WEST BAKKEN SAND GAS POOL	1	CENTER OF DRAINAGE UNIT (500 METRES FROM D.U. EDGE), EXCEPT: TWP 31, RGE 29, SEC: 26 & 35; WHERE: SEE POOL REGULATIONS RE PARTIAL SECTIONS.
LUSELAND VIKING SAND GAS POOL	1 1/2	CENTER OF DRAINAGE UNIT (500 METRES FROM D.U. EDGE), EXCEPT: TWP 35, RGE 26, SEC: 20, 21, 28, 29, 32, 33; WHERE: NE CORNER OF DRAINAGE UNIT.
MAKWA MANNVILLE SAND GAS POOL	1	CENTER OF DRAINAGE UNIT (500 METRES FROM D.U. EDGE).
MARENGO VIKING GAS POOL	1	CENTER OF DRAINAGE UNIT (500 METRES FROM D.U. EDGE).
MERRYFLAT SECOND WHITE SPECKS GAS POOL	1	CENTER OF DRAINAGE UNIT (500 METRES FROM D.U. EDGE).
MILTON VIKING SAND GAS POOL	1	CENTER OF DRAINAGE UNIT (500 METRES FROM D.U. EDGE).
MONCHY SECOND WHITE SPECKS GAS POOL	1	CENTER OF DRAINAGE UNIT (500 METRES FROM D.U. EDGE).
MUDIE LAKE COLONY SAND GAS POOL	1	CENTER OF DRAINAGE UNIT (500 METRES FROM D.U. EDGE).
PARADISE HILL COLONY SAND GAS POOL	1	CENTER OF DRAINAGE UNIT (500 METRES FROM D.U. EDGE).
PARADISE HILL WASECA SAND GAS POOL	1	CENTER OF DRAINAGE UNIT (500 METRES FROM D.U. EDGE).
PECK LAKE COLONY SAND GAS POOL	1	CENTER OF DRAINAGE UNIT (500 METRES FROM D.U. EDGE).
PIERCELAND MANNVILLE SAND GAS POOL	1	CENTER OF DRAINAGE UNIT (500 METRES FROM D.U. EDGE).
PIERCELAND WEST COLONY SAND GAS POOL	1	CENTER OF DRAINAGE UNIT (500 METRES FROM D.U. EDGE).
PRAIRIEDALE EAST VIKING GAS POOL	1/2	CENTER OF NE AND SW 1/4 OF SECTION.
PRIMATE MANNVILLE SAND GAS POOL	1	CENTER OF DRAINAGE UNIT (500 METRES FROM D.U. EDGE).
PRIMROSE LAKE MANNVILLE SAND GAS POOL	1	CENTER OF DRAINAGE UNIT (500 METRES FROM D.U. EDGE).
PRIMROSE LAKE EAST MANNVILLE SAND GAS POOL	1	CENTER OF DRAINAGE UNIT (500 METRES FROM D.U. EDGE).
REX LLOYDMINSTER SAND GAS POOL	1	CENTER OF DRAINAGE UNIT (500 METRES FROM D.U. EDGE).

GAS POOL DEVELOPMENT DATA

POOL NAME	SPACING REGULATIONS * DRAINAGE UNIT SECTIONS	TARGET AREA
SALVADOR MANNVILLE SAND GAS POOL	1	CENTER OF DRAINAGE UNIT (500 METRES FROM D.U. EDGE).
SENATE SECOND WHITE SPECKS GAS POOL	1	CENTER OF DRAINAGE UNIT (500 METRES FROM D.U. EDGE).
SENLAC MCLAREN SAND GAS POOL	1	CENTER OF DRAINAGE UNIT (500 METRES FROM D.U. EDGE).
SENLAC SPARKY SAND GAS POOL	1	CENTER OF DRAINAGE UNIT (500 METRES FROM D.U. EDGE).
SPRUCE LAKE MANNVILLE SAND GAS POOL	1	CENTER OF DRAINAGE UNIT (500 METRES FROM D.U. EDGE).
SPRUCE LAKE NORTH COLONY SAND GAS POOL	1	CENTER OF DRAINAGE UNIT (500 METRES FROM D.U. EDGE).
SUPERB BAKKEN SAND GAS POOL	1	CENTER OF DRAINAGE UNIT (500 METRES FROM D.U. EDGE).
TANGLEFLAGS COLONY SAND GAS POOL	1	CENTER OF DRAINAGE UNIT (500 METRES FROM D.U. EDGE).
TANGLEFLAGS MCLAREN SAND GAS POOL	1	CENTER OF DRAINAGE UNIT (500 METRES FROM D.U. EDGE).
TANGLEFLAGS SECOND WHITE SPECKS GAS POOL	1	CENTER OF DRAINAGE UNIT (500 METRES FROM D.U. EDGE).
TANGLEFLAGS ST. WALBURG SAND GAS POOL	1	CENTER OF DRAINAGE UNIT (500 METRES FROM D.U. EDGE).
TOTNES VIKING GAS POOL	1	CENTER OF DRAINAGE UNIT (500 METRES FROM D.U. EDGE).
UNITY SOUTH SPARKY SAND GAS POOL	1	CENTER OF DRAINAGE UNIT (500 METRES FROM D.U. EDGE).
UNITY SOUTH UNITY GAS POOL	1	CENTER OF DRAINAGE UNIT (500 METRES FROM D.U. EDGE).
UNITY SOUTH VIKING GAS POOL	1	CENTER OF DRAINAGE UNIT (500 METRES FROM D.U. EDGE).
VERENDRYE NORTH VIKING SAND GAS POOL	1	CENTER OF DRAINAGE UNIT (500 METRES FROM D.U. EDGE).
WHEAT VALLEY CANTUAR SAND GAS POOL	1	CENTER OF DRAINAGE UNIT (500 METRES FROM D.U. EDGE).
WHELAN MANNVILLE SAND GAS POOL	1	CENTER OF DRAINAGE UNIT (500 METRES FROM D.U. EDGE).
WHELAN ST. WALBURG SAND GAS POOL	1	CENTER OF DRAINAGE UNIT (500 METRES FROM D.U. EDGE).
WHITESIDE RIBSTONE CREEK SAND GAS POOL	1	CENTER OF DRAINAGE UNIT (500 METRES FROM D.U. EDGE).
WHITESIDE WEST RIBSTONE CREEK SAND GAS POOL	1	CENTER OF DRAINAGE UNIT (500 METRES FROM D.U. EDGE).
WHITESIDE WEST VIKING SAND GAS POOL	1/2	NORTHWEST & SOUTHEAST 1/4 OF SECTION, EXCEPT: TWP 30, RGE 26, SEC: 18 & 19; TWP 30, RGE 27, SEC: 13; WHERE : NORTHEAST & SOUTHWEST 1/4 OF SECTION.
YONKER COLONY SAND GAS POOL	1	CENTER OF DRAINAGE UNIT (500 METRES FROM D.U. EDGE).
YONKER MCLAREN SAND GAS POOL	1	CENTER OF DRAINAGE UNIT (500 METRES FROM D.U. EDGE).

* SPACING REGULATIONS IN EFFECT ON JANUARY 1, 1999.

AREA SPACING DESCRIPTION*

SPACING AREA	DRAINAGE UNIT SIZE (No. of Lsds)	TARGET AREA	EXCEPTIONS
		- OIL AREAS -	
A (MRO 235/95)	2	Odd numbered Lsd. (100 m from the sides of the Lsd.)	A well greater than 2.4 km from a well capable of production from the same zone may be drilled on the even or odd Lsd. Special provisions for fractional Sections and Sections adjacent to fractional Sections. Applies to vertical wells completed in a zone shallower than the base of the Birdbear Formation.
B (MRO 236/95)	2	Even numbered Lsd. (100 m from the sides of the Lsd.)	A well greater than 2.4 km from a well capable of production from the same zone may be drilled on the even or odd Lsd. Special provisions for fractional Sections and Sections adjacent to fractional Sections. Applies to vertical wells completed in a zone shallower than the base of the Birdbear Formation.
E (MRO 1185/96)	1	Southeast quadrant of the Lsd.	Wells drilled along the fourth meridian have different drainage units and target areas. Applies to vertical wells completed in the Mannville Group, Success, Bakken, Birdbear, or Duperow Formations.
F (MRO 615/98)	4	100 m from the sides of drainage unit.	Special provisions for fractional Sections and Sections adjacent to fractional Sections. Applies to vertical wells completed in a zone deeper than the base of the Birdbear Formation.
		- GAS AREAS -	
G (MRO 97/91)	16	100 m from the sides of drainage unit.	Wells drilled within a 9 Section square area centred on a Section that contains a gas well shall be drilled at least 500 m from the sides of the drainage unit. Applies to the Mannville, Second White Specks and St. Walburg Sand Formations. Special provisions for fractional Sections and Sections adjacent to fractional Sections.

* Note: Spacing regulations in effect as of November 1, 1998.
Spacing Area regulations apply to wells inside a Spacing Area, but outside any defined pool - see the appropriate Minister's Order (MRO) for complete Spacing Area provisions.
See The Oil and Gas Conservation Regulations, 1985 for general spacing regulations.

TYPICAL WELL LOGS

OF PRODUCING ZONES

LITHOLOGY LEGEND

Silt

Shale

Sandstone

Limestone

Calcareous shale

Argillaceous sandstone

Coal

Chert pebbles

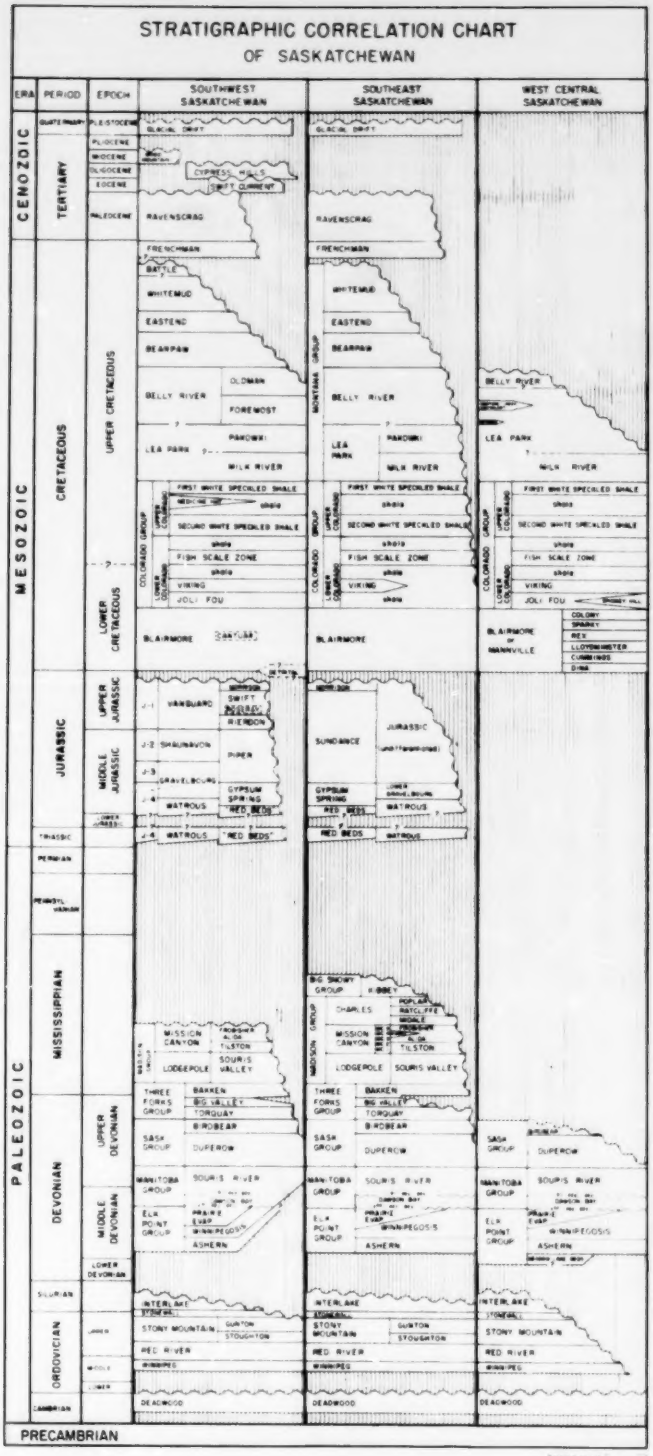
Interbedded shale and sandstone

Dolomite or dolomitic limestone

Argillaceous and anhydritic dolomite

Oolitic

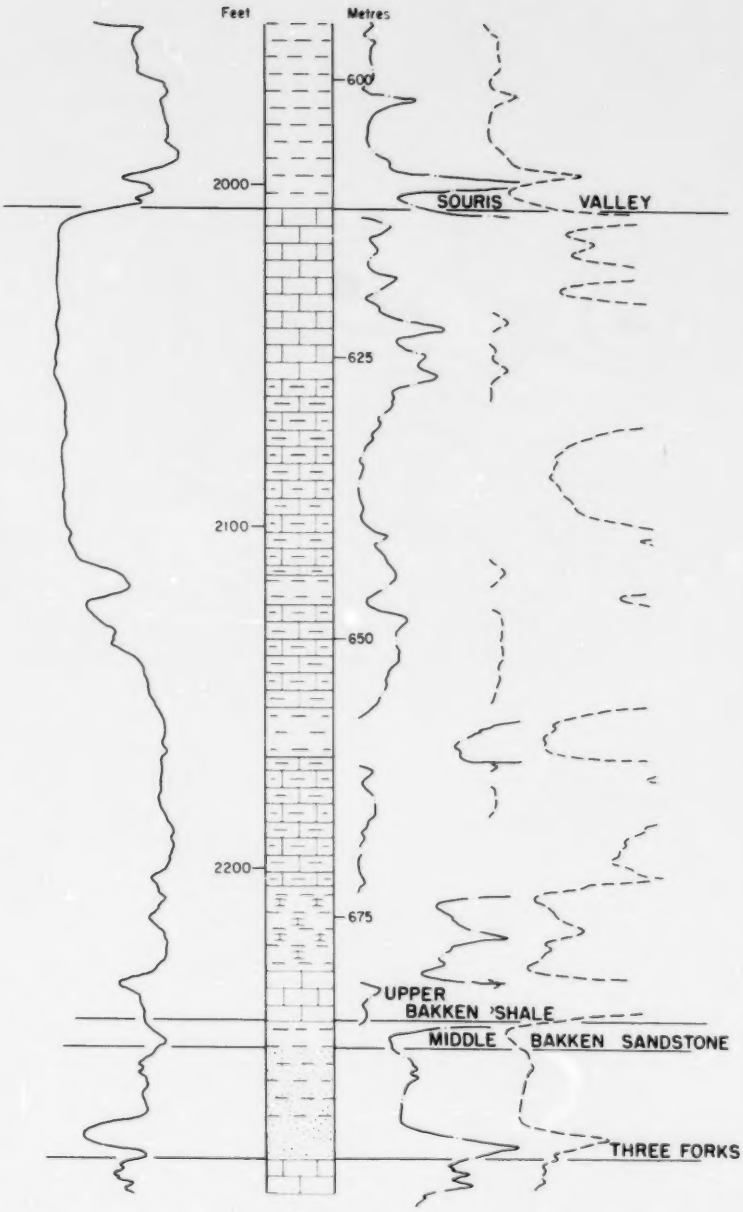
Anhydrite


STRATIGRAPHIC CORRELATION CHART
OF SASKATCHEWAN
ERA
PERIOD
EPOCH
SOUTHWEST SASKATCHEWAN
SOUTHEAST SASKATCHEWAN
WEST CENTRAL SASKATCHEWAN
CENOZOIC
MESOZOIC
PALEOZOIC
PRECAMBRIAN
TERTIARY
CRETACEOUS
JURASSIC
TRIASSIC
PERMIAN
MISSISSIPPIAN
DEVONIAN
SILURIAN
ORDOVICIAN
CAMBRIAN
UPPER CRETACEOUS
LOWER CRETACEOUS
UPPER JURASSIC
MIDDLE JURASSIC
UPPER DEVONIAN
MIDDLE DEVONIAN
LOWER DEVONIAN
PLEISTOCENE
PLIOCENE
MIOCENE
OLIGOCENE
EOCENE
PALEOCENE
GLACIAL DRIFT
CYPRESS HILLS
SWIFT CURRENT
RAVENSCRAG
FRENCHMAN
BATTLE
WHITEMUD
EASTEND
BEARPAW
BELLY RIVER
OLDMAN
FOREMOST
LEA PARK
PAKOWKI
MILK RIVER
FIRST WHITE SPECKLED SHALE
SECOND WHITE SPECKLED SHALE
FISH SCALE ZONE
VIKING
JOLI FOU
BLAIRMORE
COLORADO GROUP
MONTANA GROUP
COLONY
SPARKY
REX
LLOYDMINSTER
CUMMINGS
DINA
VANGUARD
SWIFT
RIVERTON
PIPER
GRAVELBOURG
GYPSUM SPRING
WATROUS
RED BEDS
SUNDANCE
JURASSIC UNDIFFERENTIATED
BIG SNOWY GROUP
KIBBEY
CHARLES
POPLAR
RATCLIFFE
MIDALE
FROBISHER ALDER
TILSTON
MISSION CANYON
LODGEPOLE
SOURIS VALLEY
MADISON GROUP
THREE FORKS GROUP
BAKKEN
BIG VALLEY
TORQUAY
BIRDBEAR
SASK GROUP
DUPEROW
MANITOBA GROUP
SOURIS RIVER
ELK POINT GROUP
PRAIRIE EVAPORITE
WINNIPEGOSIS
ASHERN
INTERLAKE
STONY MOUNTAIN
GUNTON
STOUGHTON
RED RIVER
WINNIPEG
DEADWOOD

TRANSWEST ROCANVILLE 4-4-16-31

4-4-16-31-W1

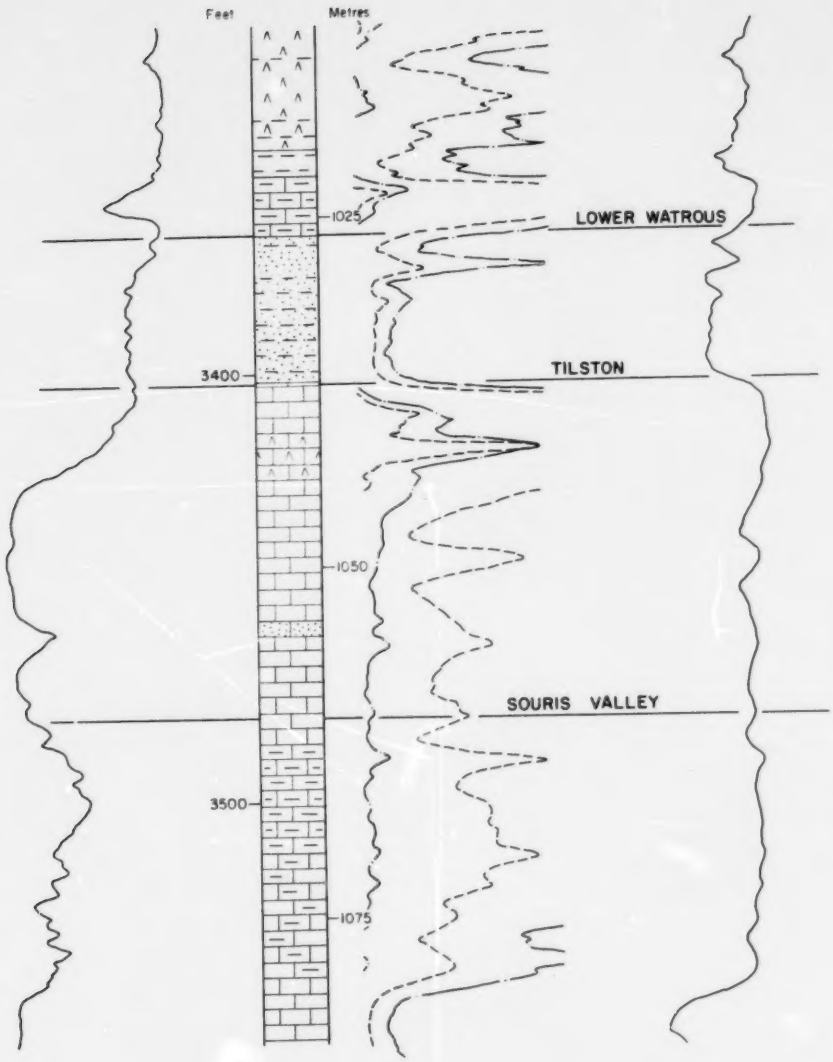
PRODUCING HORIZON : BAKKEN SAND



PEMOCO PARKMAN 2-3-9-33

2-3-9-33-W1

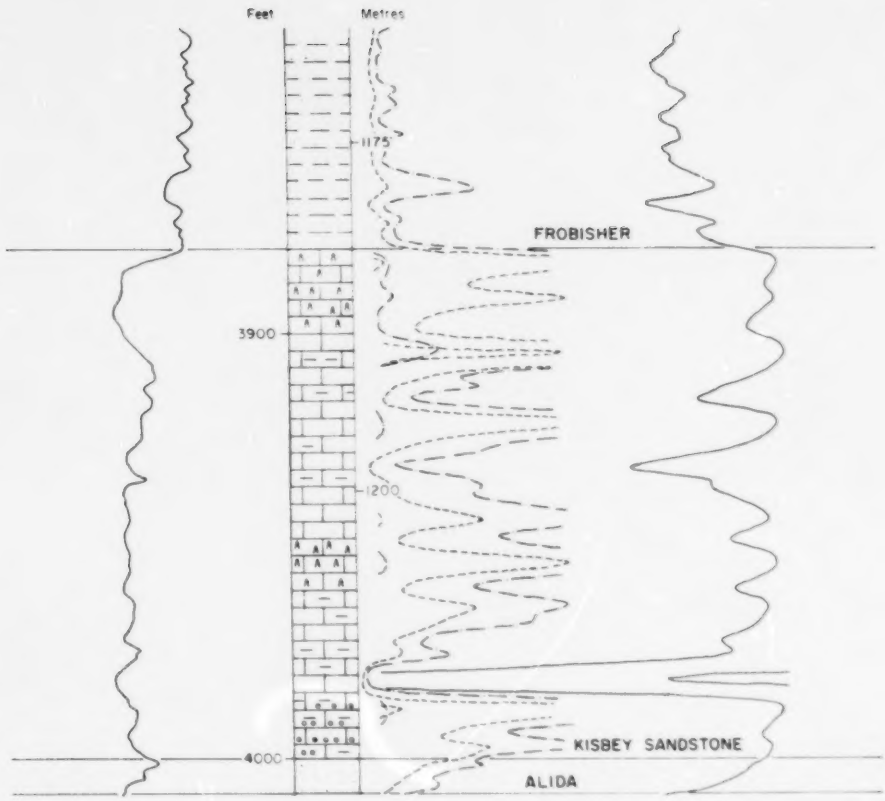
PRODUCING HORIZONS : TILSTON AND SOURIS VALLEY BEDS



MURPHY HASTINGS 7-24-4-34

7-24-4-34-W1

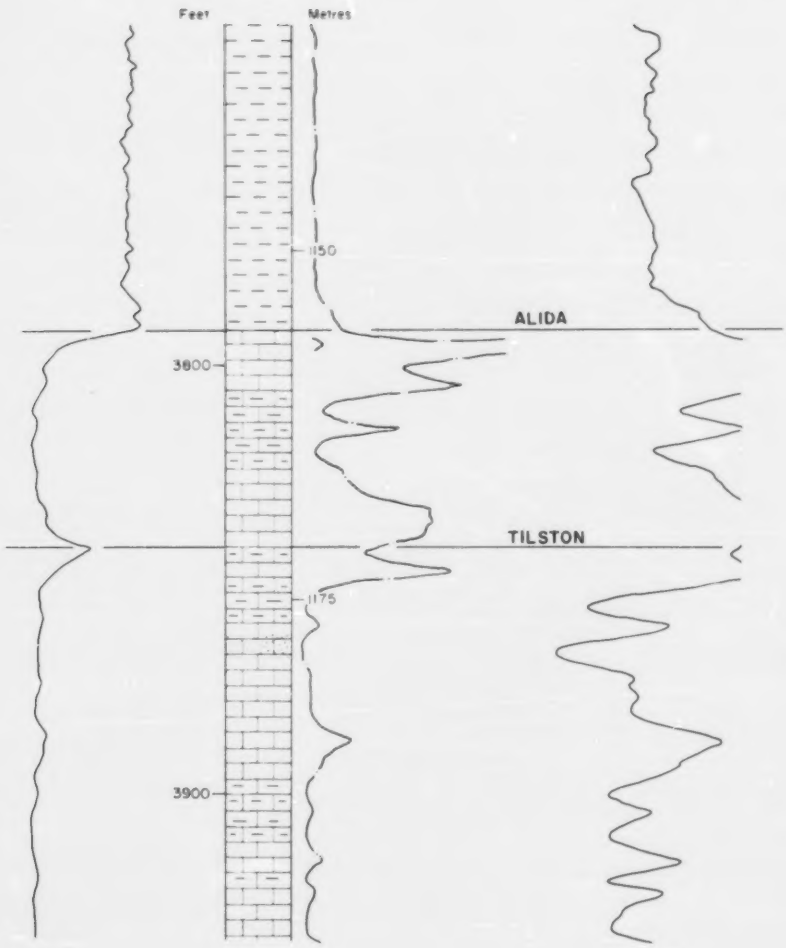
PRODUCING HORIZON : FROBISHER BEDS



UPTON QUEENSDALE 2-13-6-1

2-13-6-1-W2

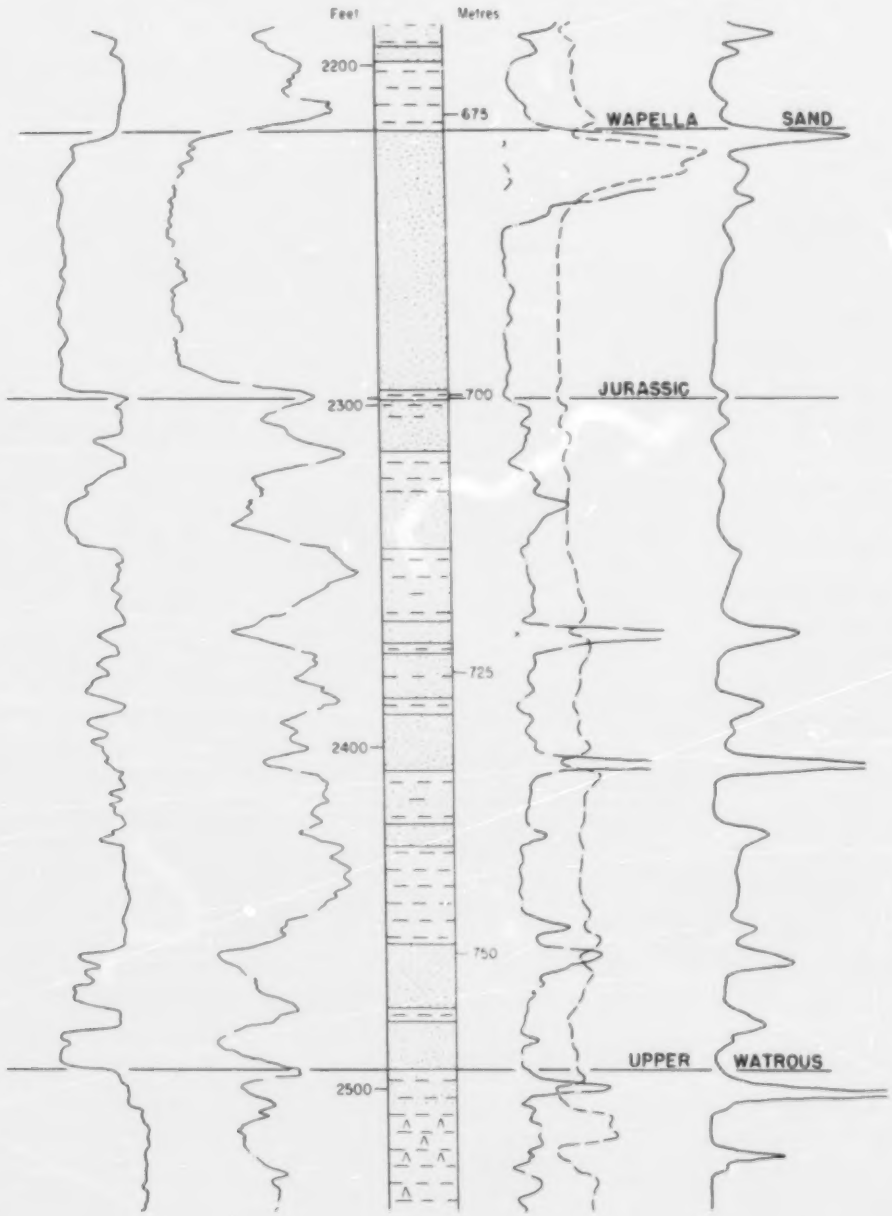
PRODUCING HORIZON : ALIDA BEDS



TIDEWATER WAPELLA 6-33

6-33-14-1-W2

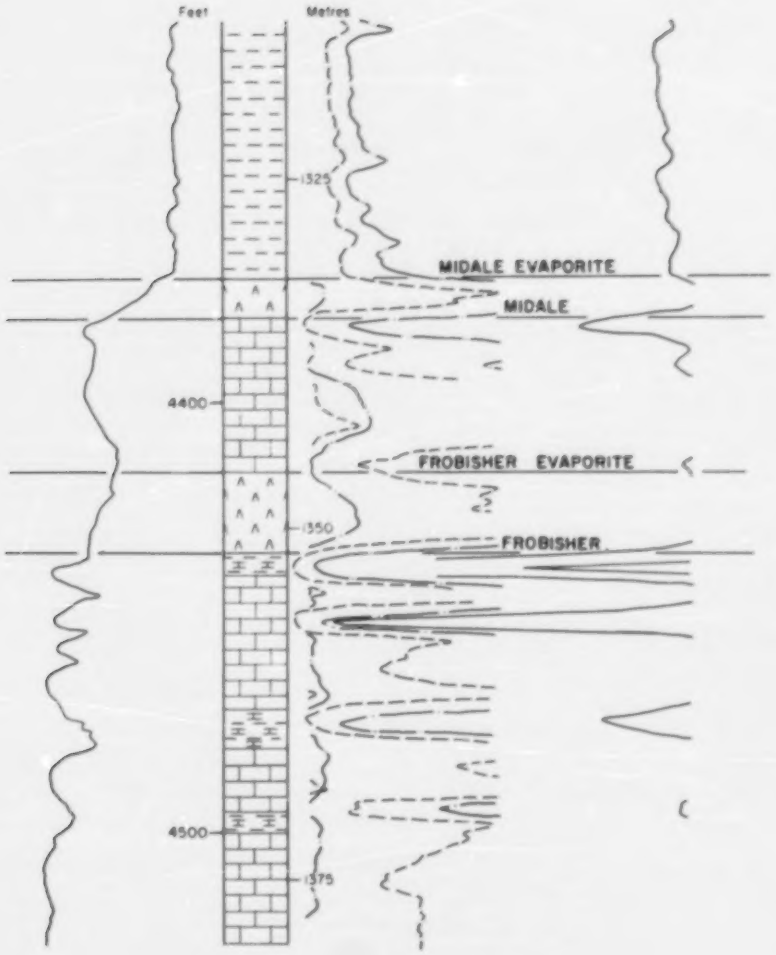
PRODUCING HORIZONS : WAPELLA AND JURASSIC SANDS



PHOENIX et al STEELMAN 5-24-5-6

5-24-5-6-W2

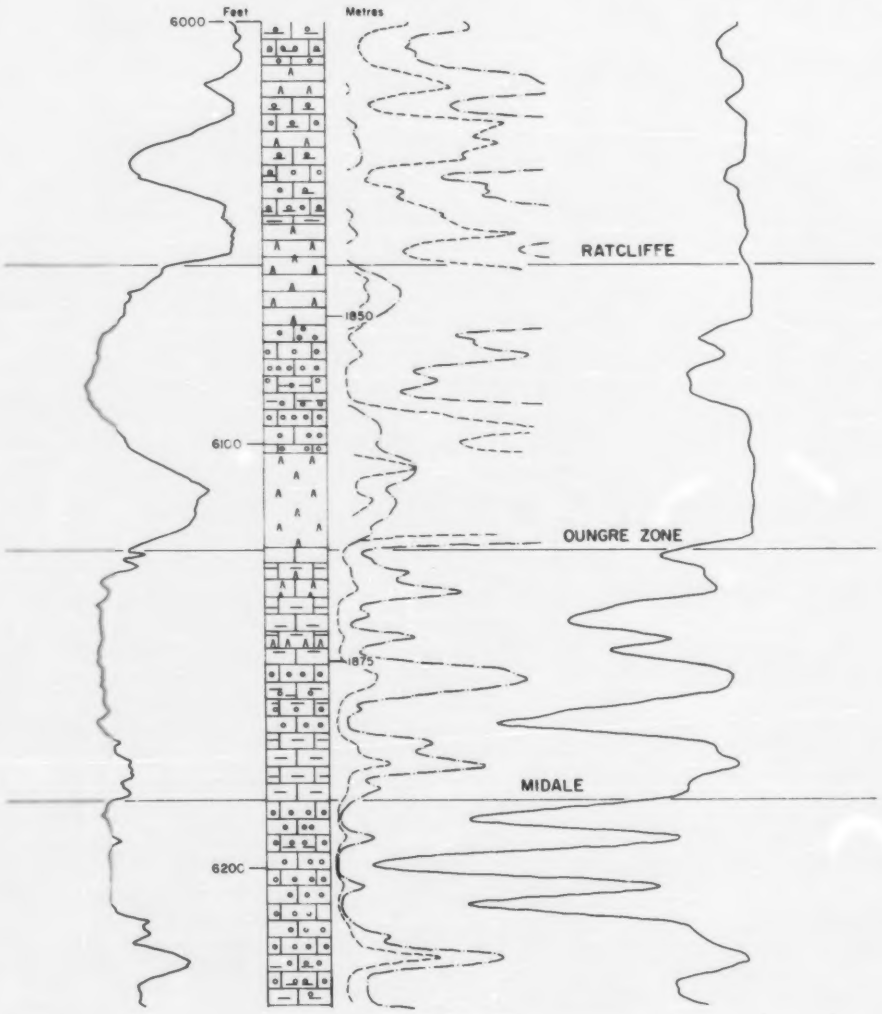
PRODUCING HORIZONS : MIDALE AND FROBISHER BEDS



SUNCOR ET AL OUNGRE 9-24-2-15

9-24-2-15-W2

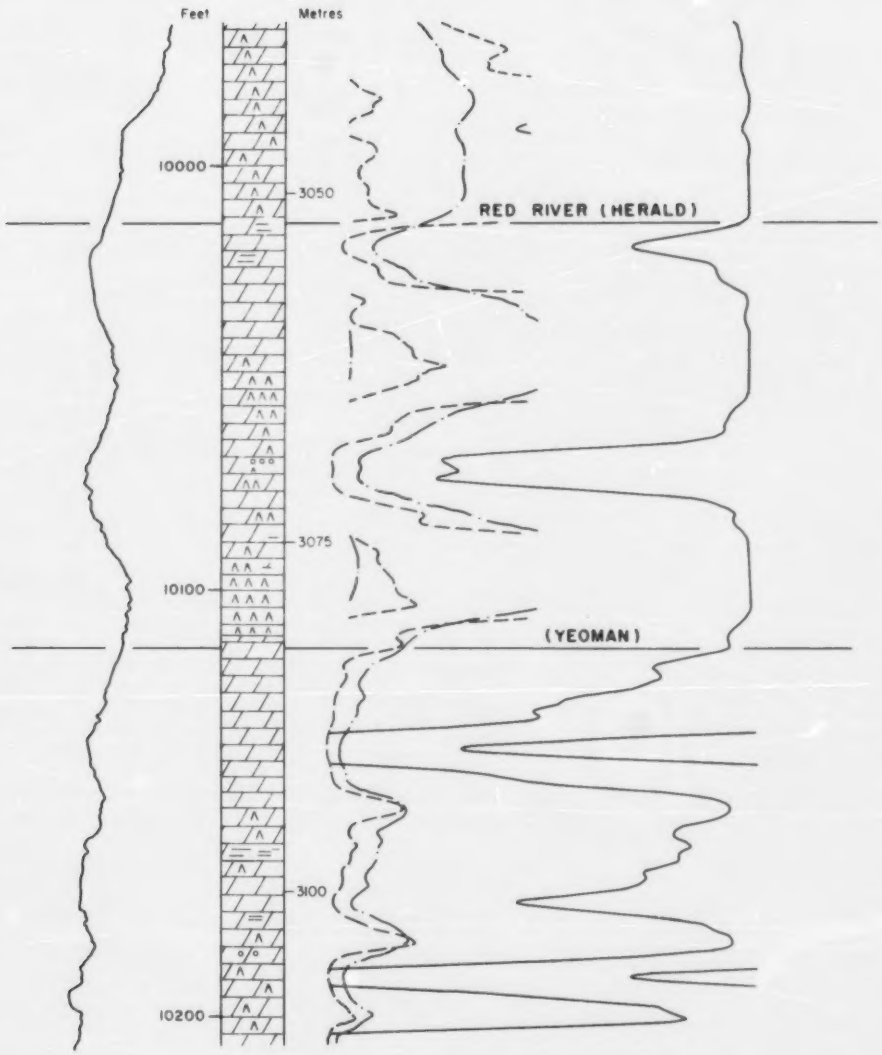
PRODUCING HORIZON : RATCLIFFE BEDS



C.D.R. S LAKE ALMA 1-14-1-17

1-14-1-17-W2

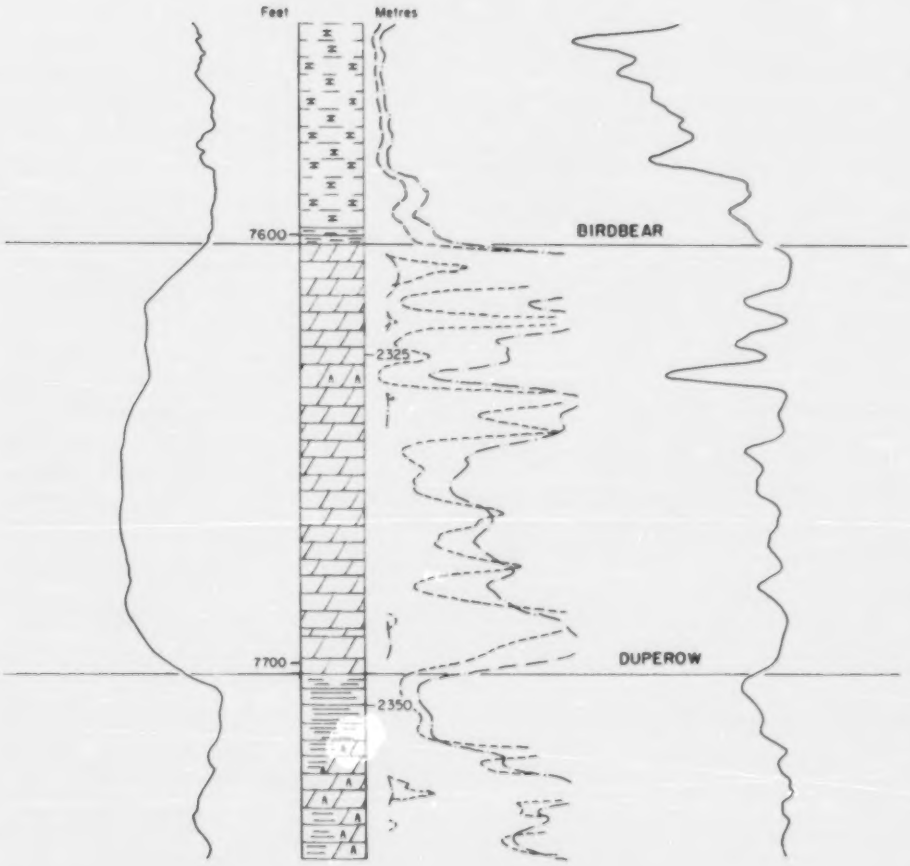
PRODUCING HORIZON : RED RIVER FORMATION



NORTHROCK HUMMINGBIRD 11-26-2-19

11-26-2-19-W2

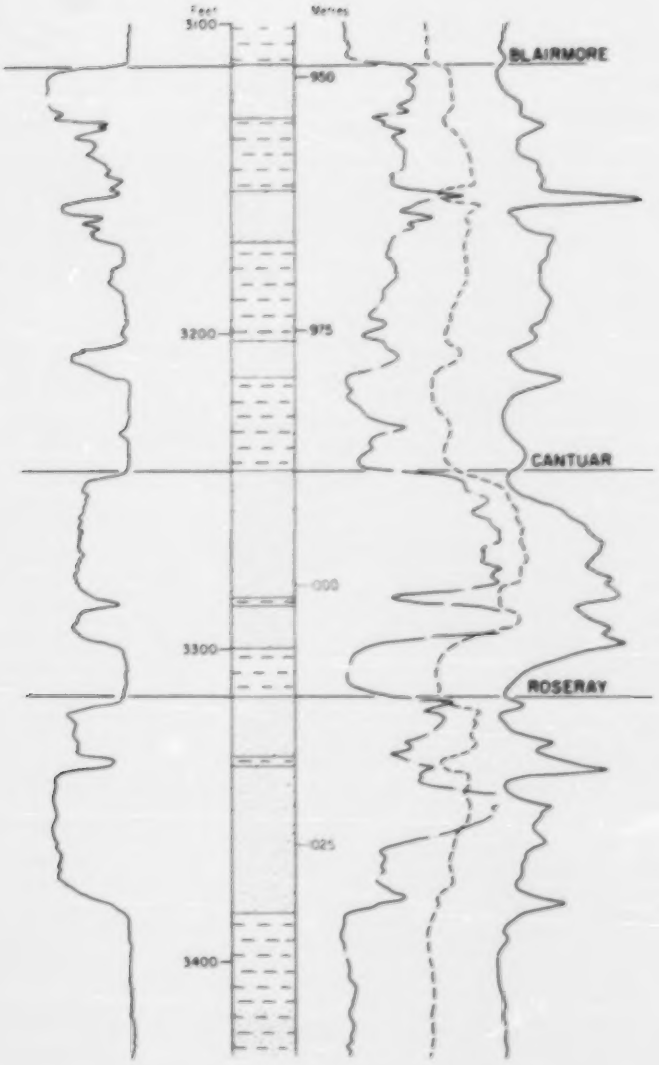
PRODUCING HORIZON : BIRDBEAR FORMATION



SASKOIL M.U.S. CANTUAR 5-2-16-17

5-2-16-17-W3

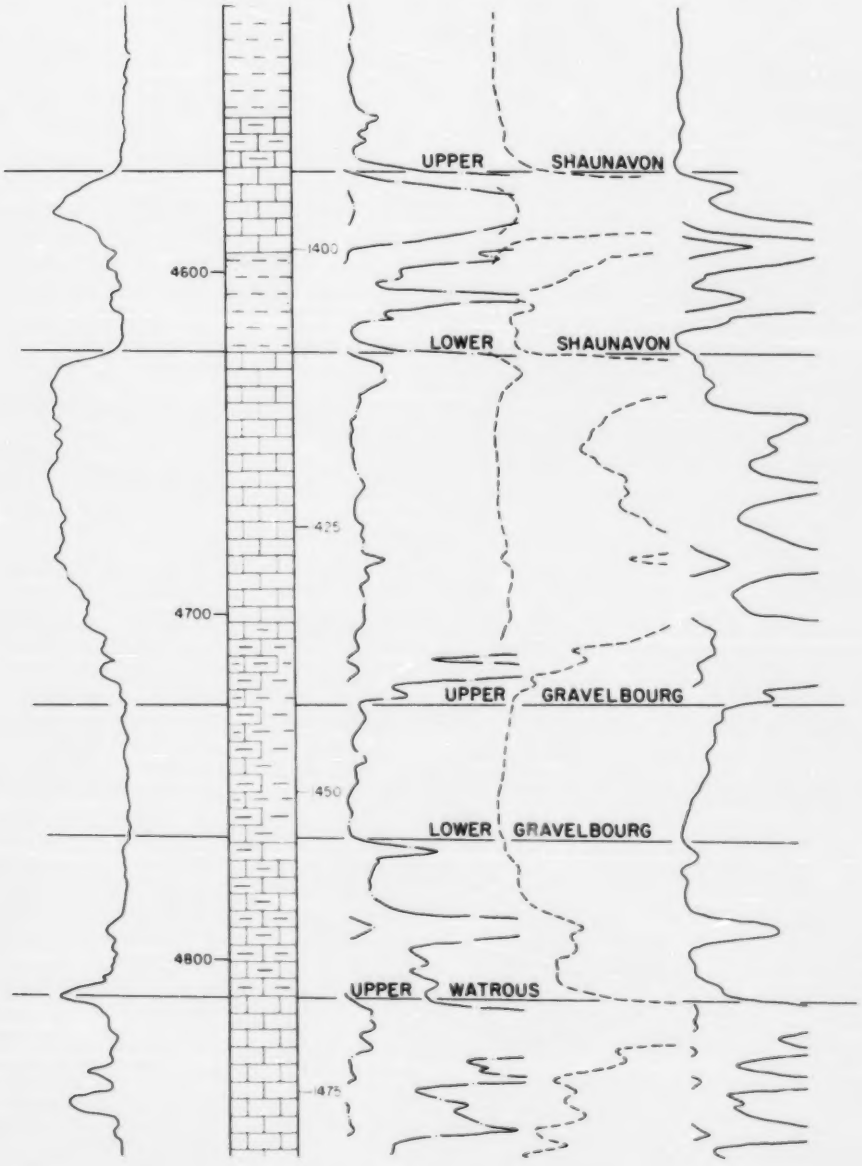
PRODUCING HORIZONS : CANTUAR AND ROSERAY SANDS



TIDEWATER INSTOW CROWN 11-33

11-33-9-18-W3

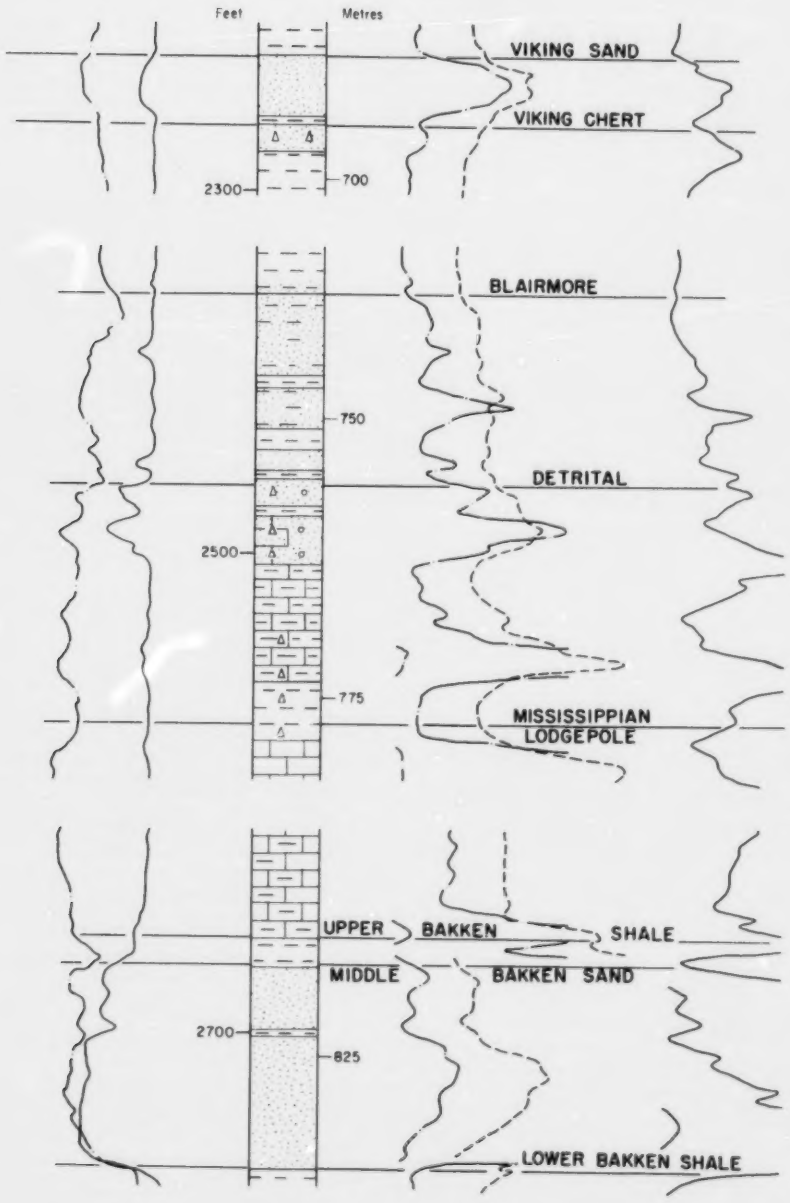
PRODUCING HORIZONS : UPPER AND LOWER SHAUNAVON FORMATIONS



COLEVILLE UNIT 5-30-31-23

5-30-31-23-W3

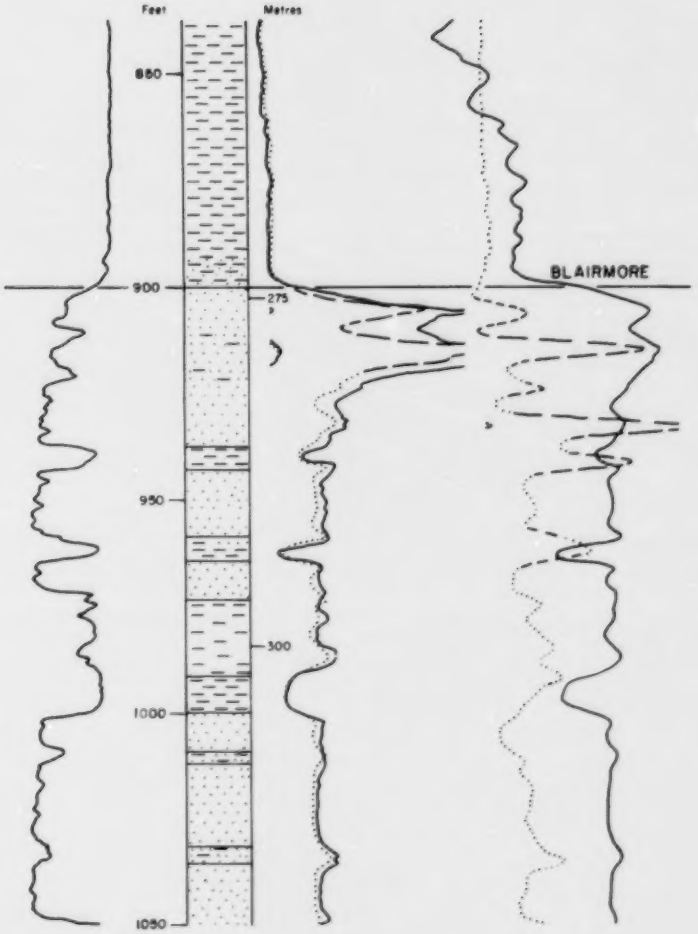
PRODUCING HORIZONS : VIKING AND MIDDLE BAKKEN SANDS



TRANSGAS BEACON HILL 10-17-61-24

10-17-61-24-W3

PRODUCING HORIZON : BLAIRMORE



ENRON ET AL INGEBRIGT 11-21-17-25

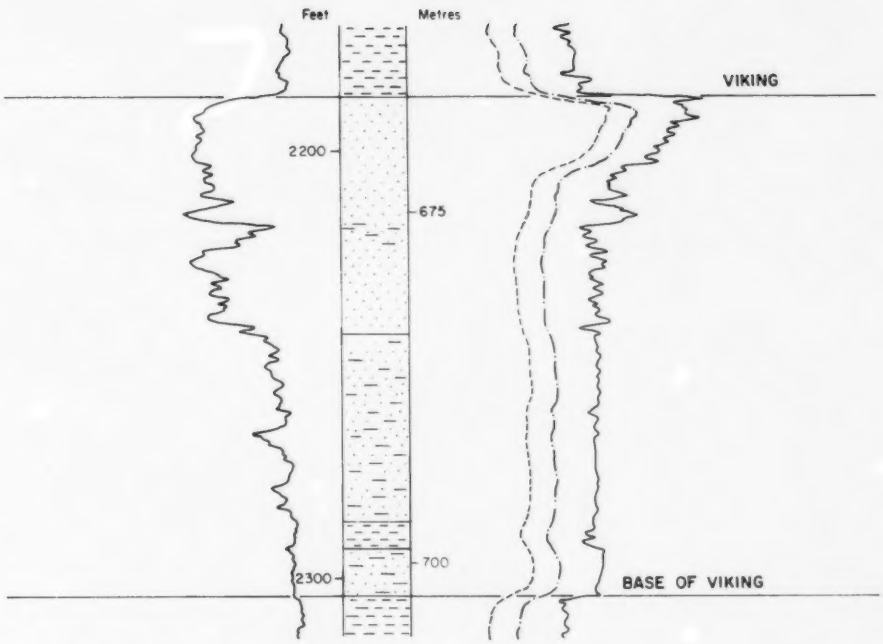
11-21-17-25-W3

PRODUCING HORIZON : MILK RIVER SAND

IMP BAYHURST 11-19V-24-25

11-19-24-25-W3

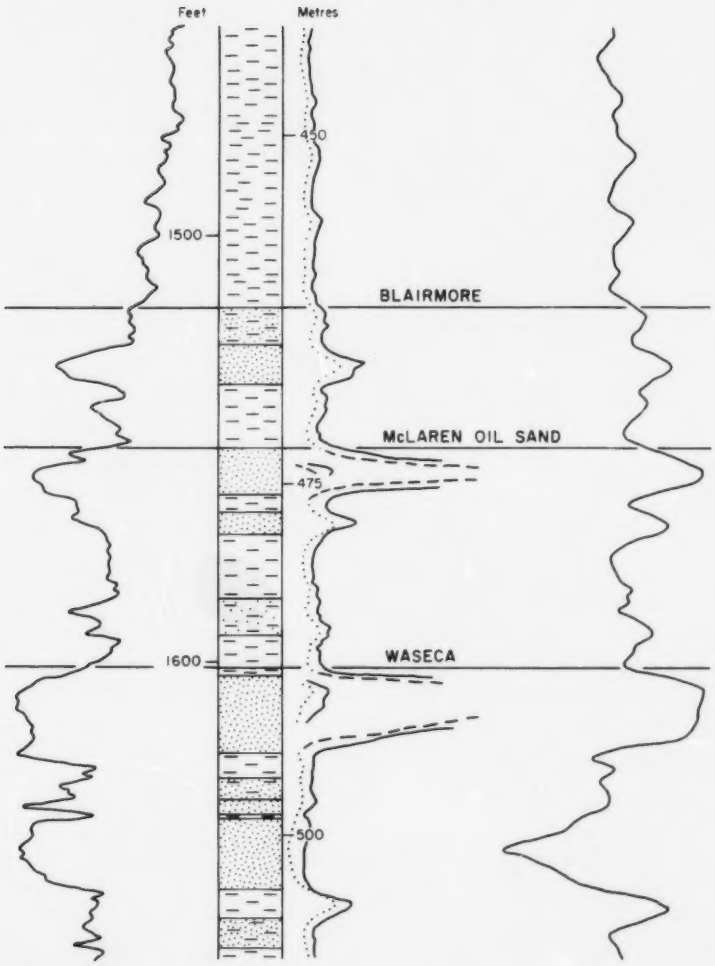
PRODUCING HORIZON : VIKING SAND



HUSKY BIG GULLY C6-27-49-25

C6-27-49-25-W3

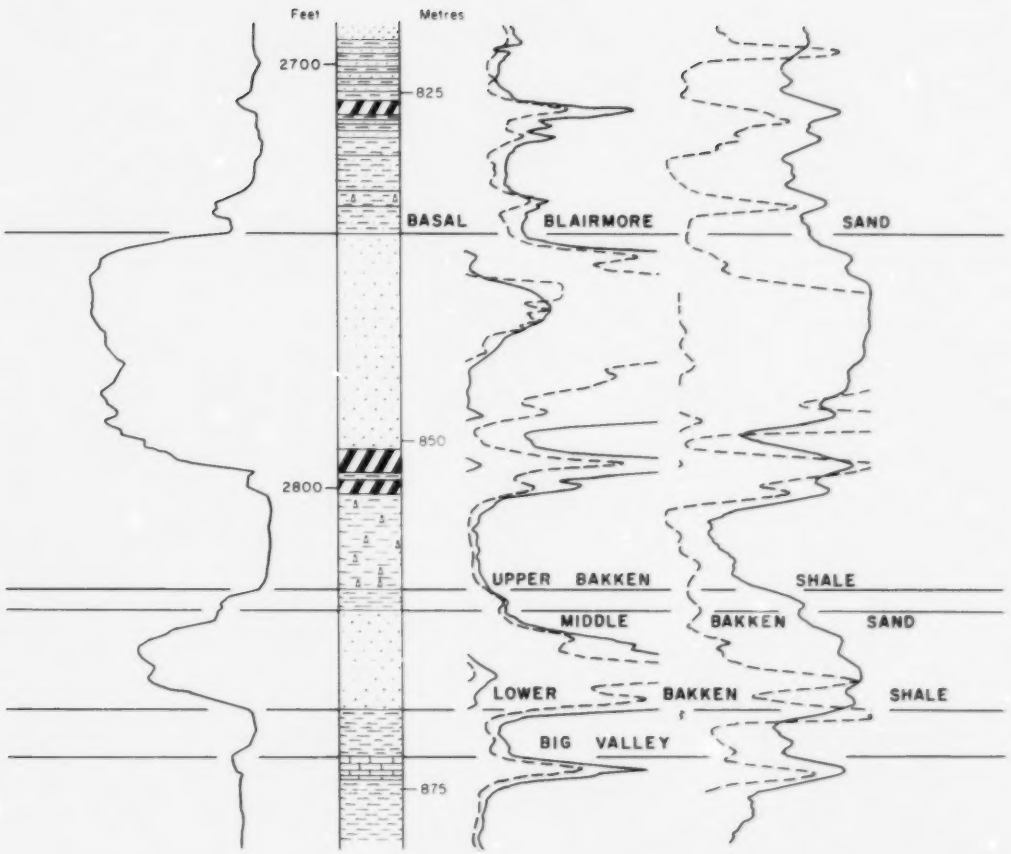
PRODUCING HORIZONS : McLAREN AND WASECA SANDS



FRASER NORTH HOOSIER VU 6-14-32-27

6-14-32-27-W3

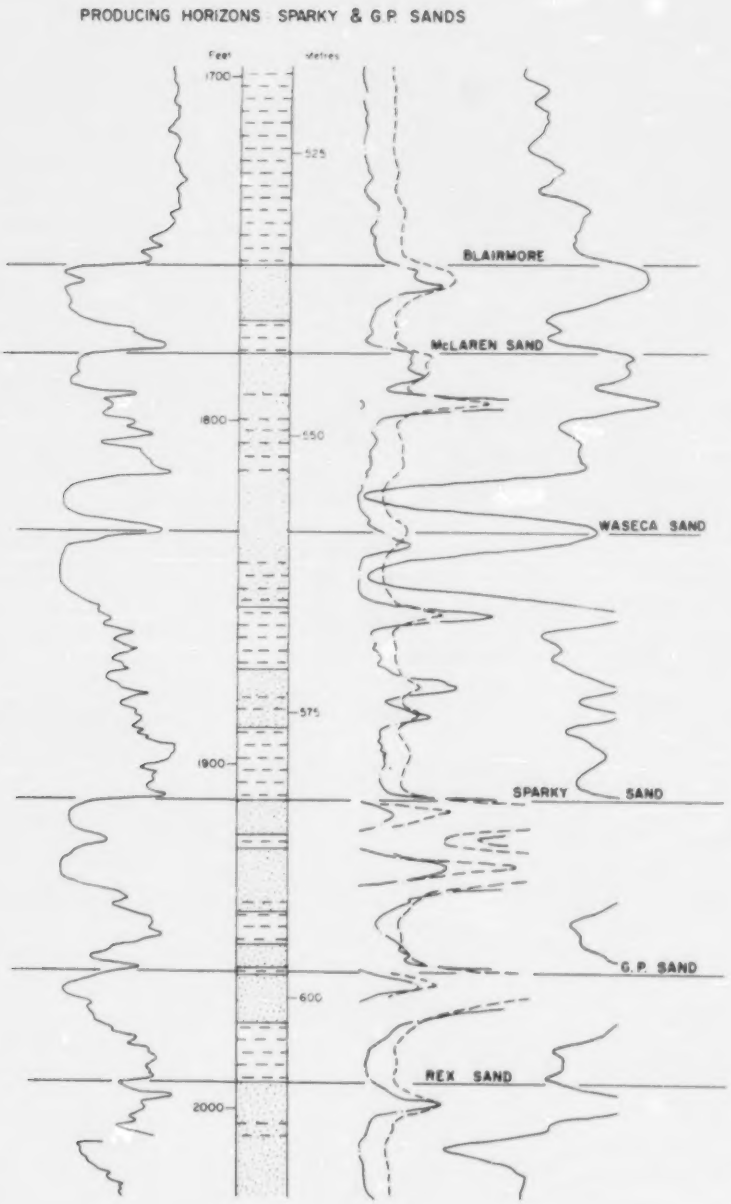
PRODUCING HORIZON : BASAL BLAIRMORE



CS EPPING A14-30-47-27

14-30-47-27-W3

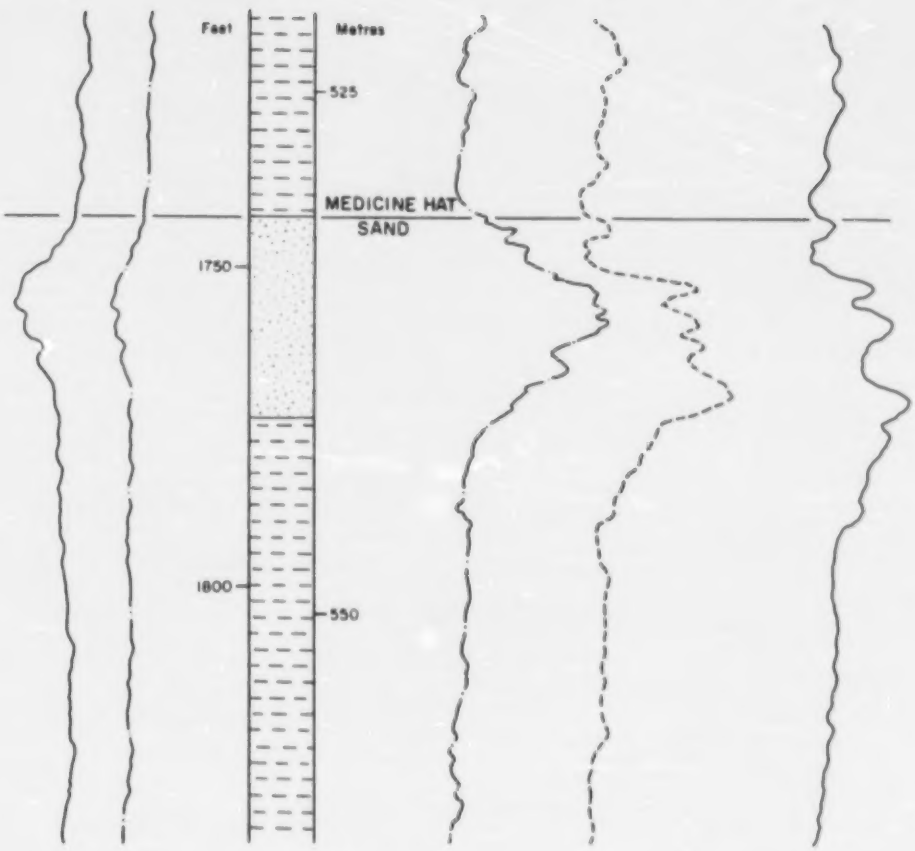
PRODUCING HORIZONS : SPARKY & G.P. SANDS



N C O HORSHAM 10-7-16-29

10-7-16-29-W3

PRODUCING HORIZON : MEDICINE HAT SAND



INITIAL OIL POOL PRESSURE DATA

POOL NAME	DATUM METRES SUBSEA	PRESSURE GRADIENT kPa/m	TEMPERATURE AT DATUM DEPTH °C	VIRGIN PRESSURE AT DATUM DEPTH MPa	SATURATION PRESSURE
Aberfeldy G.P. Sand	+67.2				
Aberfeldy Sparky Sand	+80.8				
Alameda Midale Beds:					
(Central Group)	792.5	7.24	57	15.39	10.64 MPa @ 57°C
(East Group)	746.8	7.24	57	15.27	10.80 MPa @ 57°C
Alameda West Frobisher Beds	786.6				
Alameda West Midale Beds	765.5				
Alida East Frobisher-Alida Beds	536.4	7.67	44	10.47	10.47 MPa @ 43°C
Alida North Alida Beds	564.8				
Alida West Frobisher-Alida Beds	545.6	7.67	45	10.54	10.54 MPa @ 45°C
Alsask Basal Mannville Sand	91.4	9.27	33		
Antelope Lake East Roseray Sand	235.6				
Antelope Lake Upper Shaunavon	300.2	8.82	49	10.00	
Arcola Frobisher-Alida Beds	570.0	8.37	53	11.00	8.77 MPa @ 53°C
Arcola North Alida Beds	538.0				
Auburnton Frobisher-Alida Beds	607.7				
Avon Hill Viking	13.7	8.37	23	6.72	
Baldwinton Sparky Sand	+43.7				
Battle Creek Madison	437.7				
Battle Creek South Upper Shaunavon	385.9				
Battle Creek Upper Shaunavon	375.7				
Battrum East Roseray Sand	193.4				
Battrum North Roseray Sand	172.4				
Battrum Roseray Sand	179.8	8.82	46	8.56	1.39 MPa @ 43°C
Bellegarde Tilston Beds	455.6				
Bench Upper Shaunavon	438.9	8.82		12.45	
Bender South Tilston Beds	467.9				
Bennett Lake Alida Beds	503.0		52		
Benson East Midale Beds	721.2				
Benson Frobisher Beds	741.8				
Benson Midale Beds	754.4	7.92	68	14.38	
Beverley Cantuar Sand	243.8	9.05	48	9.11	9.11 MPa @ 48°C
Beverley East Cantuar Sand	232.3				
Beverley North Cantuar Sand	232.9				
Beverley Roseray Sand	246.9	8.78			
Bienfait Midale Beds	1005.7				
Big Gully McLaren Sand	+141.7				
Big Gully North Lloydminster Sand	+60.4				
Big Gully Waseca Sand	+125.0				
Bone Creek Upper Shaunavon	464.8	8.60	48	12.27	4.78 MPa @ 49°C
Bromhead Midale Beds	1098.0	8.60		17.65	
Browning Frobisher-Alida Beds	682.8	7.24	59	12.55	
Bryant Frobisher Beds	836.2				
Bryant Midale Beds	807.4				
Buffalo Coulee Bakken Sand	108.2	9.66	26		2.21 MPa @ 26°C
Buffalo Coulee North Bakken Sand	93.0				
Butte Upper Shaunavon	417.6	8.82	49	12.37	1.23 MPa @ 49°C
Butte West Upper Shaunavon	387.2				
Buzzard Lloydminster Sand	+38.4				
Cactus Lake Basal Mannville Bakken Sand	97.1				
Cactus Lake North McLaren Sand	42.0		29		

INITIAL OIL POOL PRESSURE DATA

POOL NAME	DATUM METRES SUBSEA	PRESSURE GRADIENT kPa/m	TEMPERATURE AT DATUM DEPTH °C	VIRGIN PRESSURE AT DATUM DEPTH MPa	SATURATION PRESSURE
Cantal Frobisher-Alida Beds	579.1	6.79	47	10.87	10.85 MPa @ 47°C
Cantal South Frobisher-Alida Beds	579.1				
Cantuar East Cantuar Sand	228.6	8.60	51		
Cantuar East Roseray Sand	228.6	8.60	51		
Cantuar Roseray Sand	228.6	8.78	51	9.10	9.10 MPa @ 52°C
Cantuar Main Cantuar Sand	227.1	8.78	51	8.95	8.95 MPa @ 52°C
Cantuar North Roseray Sand	238.8				
Carnduff Frobisher Beds	752.9	7.24	59	12.98	
Carnduff Midale Beds	723.9	7.24	58	15.17	
Celtic G.P. Sand	+108.5				
Celtic Sparky Sand	+118.9				
Celtic Waseca Sand	+140.2				
Chambery Upper Shaunavon	488.7				
Clarilaw Frobisher-Alida Beds	623.3	7.24	58	11.78	
Clarilaw West Frobisher-Alida Beds	619.7				
Clintonville Shaunavon	456.8				
Coleville Bakken Sand	109.7	9.50			
Coleville Mannville Sand	54.9				
Coleville South Bakken Sand	127.4				
Coleville South Mannville Sand	68.1				
Colgate Midale Beds	902.4				
Coothill Red Jacket Sand	136.0	9.10	27	5.42	
Cosine Lake Lloydminster Sand	100.6				
Court Bakken Sand	129.8				
Covington Upper Shaunavon	416.1	8.82	52	11.94	3.52 MPa @ 51°C
Covington West Upper Shaunavon	417.6	8.82			
Crystal Hill Souris Valley Beds	434.3	8.37		9.19	
Dalesboro Frobisher-Alida Beds	670.6	8.37	56	12.00	
Dalesboro North Frobisher-Alida Beds	654.0	8.37	47	11.96	
Dee Valley East Sparky Sand	+79.2				
Dee Valley East Waseca Sand	+102.1				
Dee Valley Waseca Sand	103.6				
Delta Upper Shaunavon	306.3	8.82	46	10.57	7.46 MPa @ 47°C
Dodsland Viking Sand	+4.6	7.99	23	6.41	6.41 MPa @ 23°C
Dollard Lower Shaunavon	459.6				
Dollard Upper Shaunavon	434.3	8.60	59	11.80	6.32 MPa @ 60°C
Druid Mannville Sands	59.0				
Dulwich North Sparky Sand	+86.9				
Dulwich Sparky Sand	+79.2				
Ear Lake Waseca Sand	+12.3				
Eastbrook Shaunavon	461.8	9.05	54	15.70	
Eastend Shaunavon	470.3				
Edam North Waseca Sand	+121.3				
Edam Waseca Sand	+119.2				
Edam West Sparky/G.P. Sand	+92.7				
Edam West Waseca Sand	+115.6				
Edenvale Tilston Beds	533.4	7.69	43		
Elmore Frobisher Beds	701.0	7.92	52	12.05	6.83 MPa @ 51°C
Elmore Midale Beds	685.8	7.69	52	14.33	
Elswick East Midale Beds	953.0	7.92	59	14.27	
Elswick Midale Beds	949.0	7.92	59		

INITIAL OIL POOL PRESSURE DATA

POOL NAME	DATUM METRES SUBSEA	PRESSURE GRADIENT kPa/m	TEMPERATURE AT DATUM DEPTH °C	VIRGIN PRESSURE AT DATUM DEPTH MPa	SATURATION PRESSURE
Epping G.P. Sand	+57.9				
Epping South Sparky Sand	+59.7				
Epping Sparky Sand	+67.1				
Eureka Viking	18.3	7.99	23	6.12	4.43 MPa @ 26°C
Evesham North McLaren Sand	+2.0				
Evesham North Sparky Sand	32.4				
Evesham Sparky Sand	33.2				
Eyehill Cummings-Dina Sand	89.9				
Eyehill North Cummings Sand	86.4				
Eyehill North Sparky Sand	30.2				
Fertile Tilston Beds	437.0				
Fertile Tilston-Souris Valley Beds	434.4				
Flat Lake Ratcliffe Beds	1271.0	8.37	73	20.15	9.80 MPa @ 81°C
Florence Frobisher Beds	789.4	8.37	57	13.28	
Forest Bank Mannville Sands	+115.8				
Forest Bank Sparky Sand	+99.1				
Forest Bank Waseca Sand	+120.4				
Forgan Viking Sand	9.2				
Fosterton Roseray Sand:					
Middle (II) Roseray Sand	221.0	8.82	52	9.10	
Lower (I) Roseray Sand	221.0	8.82	52	9.10	
Northwest Group	218.5	8.82	52		
Fosterton South Cantuar Sand	225.3				
Fosterton South Roseray Sand	229.6				
Freda Lake Ratcliffe Beds	960.1	8.37		18.56	
Freemont Sparky Sand	+43.8				
Freemont Waseca Sand	+62.5				
Freestone Frobisher-Alida Beds	570.0	7.92	54	11.29	
Frys East Tilston-Souris Valley Beds	395.4				
Frys Tilston-Souris Valley Beds	402.3	8.37			
Furness Sparky Sand	+73.2				
Fusilier Bakken Sand	121.9	9.27			
Gainsborough Frobisher-Alida Beds	579.1	7.24	44		
Gainsborough North Frobisher-Alida Beds	572.2				
Gainsborough West Frobisher-Alida Beds	614.5		47	11.28	
Glen Ewen Frobisher Beds	751.3	7.24	56		
Glen Ewen Midale Beds	728.5	7.24	56	15.17	
Golden Lake North Sparky Sand	+96.0				
Golden Lake North Waseca Sand	+121.9				
Golden Lake South Sparky Sand	+96.0				
Golden Lake South Waseca Sand	+115.8				
Griffin Frobisher Beds	690.4	8.60	62		
Griffin North Frobisher Beds	662.3				
Gull Lake Basal Cantuar Sand	300.2	8.82	47		8.79 MPa @ 47°C
Gull Lake Central Upper Shaunavon	387.1	8.82	51		
Gull Lake North Upper Shaunavon	365.8	8.82	48	11.11	1.10 MPa @ 46°C
Gull Lake South Upper Shaunavon	402.3	8.82	52	11.71	
Gully Lake Waseca Sand	+103.6				
Handsworth Alida Beds	536.4	8.60	51	10.99	
Hartaven Frobisher-Alida Beds	577.6	8.60	56	11.58	
Hastings East Frobisher Beds	598.7				

INITIAL OIL POOL PRESSURE DATA

POOL NAME	DATUM METRES SUBSEA	PRESSURE GRADIENT kPa/m	TEMPERATURE AT DATUM DEPTH °C	VIRGIN PRESSURE AT DATUM DEPTH MPa	SATURATION PRESSURE
Hastings Frobisher Beds	643.1	6.79	49	11.65	11.65 MPa @ 50°C
Hastings West Frobisher Beds	668.5				
Hazelwood Central Tilston Beds	440.0				
Hazelwood South Tilston Beds	437.0				
Hazelwood Tilston Beds	425.2	8.37	43	9.53	
Hazelwood West Tilston Beds	428.7				
Hazlet Roseray Sand	205.7	9.05	47	9.13	5.60 MPa @ 47°C
Hearts Hill Bakken Sand	64.9				
Hillmond G.P. Sand	+102.0				
Hillmond Sparky Sand	+108.8				
Hoffer Ratcliffe Beds (Lower)	1248.2	8.60		19.47	
Hoffer Ratcliffe Beds (Upper)	1231.4	8.60		19.33	
Hoosier Bakken Sand	150.9	9.50			
Hume Frobisher Beds	739.1	8.60	64	13.21	
Hume Midale Beds	723.9	8.60		14.23	
Hummingbird Bakken Sand	1488.0				
Hummingbird Birdbear	1585.0	8.14	82	23.16	8.09 MPa @ 82°C
Hummingbird Ratcliffe Beds	1155.2	8.60	71	18.70	6.03 MPa @ 71°C
Huntoon Frobisher Beds	754.4	8.60	61		
Huntoon Midale Beds	737.6	8.60	55		
Illerbrun Upper Shaunavon	414.5	8.82	49	11.86	3.15 MPa @ 49°C
Ingoldsby East Alida Beds	541.0	8.94	46	9.42	
Ingoldsby Frobisher-Alida Beds	548.6	7.89	46	10.51	4.81 MPa @ 45°C
Ingoldsby West Frobisher-Alida Beds	659.6				
Innes Frobisher Beds	719.3	8.60	63	12.98	7.78 MPa @ 61°C
Instow Upper Shaunavon	464.8	8.60	48	12.27	4.78 MPa @ 49°C
Java Cantuar Sand	242.3				
Johnston Upper Shaunavon	371.9	8.82	48	9.24	
Kennedy Souris Valley Beds	419.8				
Kenosee Tilston Beds	426.7	7.92	46	9.38	
Kerrobert Viking Sand	3.0				
Kisbey Birdbear	1018.3				
Kisbey Frobisher-Alida Beds	587.8				
Lake Alma Ratcliffe Beds	1268.0	8.37	67	20.27	
Landrose McLaren Sand	+144.8				
Landrose Waseca Sand	+129.5				
Lashburn South Sparky Sand	+93.7				
Lashburn South Waseca Sand	+117.3				
Lashburn Waseca Sand	+126.5				
Lashburn West Sparky Sand	+81.4				
Leitchville Shaunavon	452.6	8.60	50	12.51	4.78 MPa @ 49°C
Leon Lake Shaunavon	457.2	8.60	52	10.89	5.52 MPa @ 41°C
Lightning Tilston Beds	449.6	7.92	46	9.39	
Lloydminster Sparky Sand	+83.8				
Lone Rock Sparky Sand	+71.6				
Long Lake Waseca Sand	+29.0		26		
Lost Horse Hill Frobisher-Alida Beds	589.3	8.14	57	11.40	3.36 MPa @ 55°C
Lougheed Midale Beds	807.7	8.14	81		
Loverna Success	126.5	8.60			
Low Lake Waseca Sand	+111.3				
Lucky Hills Viking	7.6	8.37			

INITIAL OIL POOL PRESSURE DATA

POOL NAME	DATUM METRES SUBSEA	PRESSURE GRADIENT kPa/m	TEMPERATURE AT DATUM DEPTH °C	VIRGIN PRESSURE AT DATUM DEPTH MPa	SATURATION PRESSURE
Luseland Bakken Sand	44.9				
Macklin Sparky Sand	39.6				
Macoun Midale Beds	946.4	8.82	63		9.32 MPa @ 63°C
Macoun West Midale Beds	978.3				
Macoun Winnipegosis	1838.8				
Maidstone McLaren Sand	+126.1				
Maidstone Waseca Sand	+113.4				
Main Success Roseray Sand	225.6	8.60	50	9.06	8.67 MPa @ 59°C
Manito Lake East McLaren Sand	+63.4				
Manito Lake Sparky Sand	+27.7				
Manor South Alida Beds	572.0	7.69	44	10.50	
Marsden North Sparky Sand	+37.0		20		
Marsden South Sparky Sand	+31.7				
Marsden Sparky Sand	+36.1				
Melrose Frobisher-Alida Beds	551.7	8.14	54		
Midale Central Frobisher Beds	786.4	7.69	63	14.31	5.24 MPa @ 57°C
Midale Central Midale Beds	800.1	7.92	63	14.31	6.09 MPa @ 63°C
Minard Midale Beds	738.5				
Moose Mountain Tilston Beds	435.9	8.48	46	9.45	3.14 MPa @ 41°C
Moose Valley South Tilston Beds	461.4				
Moose Valley Tilston Beds	428.2	8.60			
Moosomin Red Jacket Sand	40.0	9.94	22	4.71	
Morrisview Frobisher-Alida Beds	661.4	8.37	48	12.37	
Neilburg McLaren Sand	+103.9				
Neptune North Midale Beds	889.8				
Neptune Ratcliffe Beds	1034.8	8.37			
North Antler Midale Beds	658.4	8.14	56	13.98	
Northgate Frobisher Beds	1033.3	8.14	63		
Northgate Midale Beds	1021.1	7.24	71	18.03	14.48 MPa @ 70°C
North Handsworth Alida Beds	538.0	8.60	55	11.08	
North Hoosier Bakken Sand	135.3	9.50	31	7.74	7.79 MPa @ 31°C
North Hoosier Basal Mannville Sand	120.4	9.34	29	5.85	
Northminster North G.P. Sand	+83.2				
Northminster North Sparky Sand	+94.1				
Northminster Sparky Sand	+91.4				
North Portal Midale Beds	1053.2				
North Premier Roseray Sand	228.6	8.60	47	9.25	3.12 MPa @ 47°C
North Premier Upper Shaunavon	310.9	8.82	57	10.31	0.89 MPa @ 49°C
North Smiley Bakken Sand	97.0				
Nottingham Alida Beds	548.6	7.15	43	10.60	10.66 MPa @ 44°C
Notukeu Upper Shaunavon	461.2				
Oakley Frobisher Beds	582.2	6.72	46	10.95	10.95 MPa @ 47°C
Onward Basal Mannville Sand	103.0		29		
Openshaw Frobisher Beds	897.1				
Oungre Ratcliffe Beds	1188.7	8.14	70	18.96	8.07 MPa @ 74°C
Parkman Souris Valley Beds	416.1	8.37	49	9.09	
Parkman South Tilston-Souris Valley Beds	455.7	8.23	38	9.45	
Parkman Tilston Beds	442.0	7.92	43	9.51	2.79 MPa @ 43°C
Parkman Tilston-Souris Valley Beds	402.3	7.92	38	9.10	2.41 MPa @ 38°C
Pennant Upper Shaunavon	265.2	9.05			
Pikes Peak G.P. Sand	+81.0				

INITIAL OIL POOL PRESSURE DATA

POOL NAME	DATUM METRES SUBSEA	PRESSURE GRADIENT kPa/m	TEMPERATURE AT DATUM DEPTH °C	VIRGIN PRESSURE AT DATUM DEPTH MPa	SATURATION PRESSURE
Pikes Peak Sparky Sand	+91.4				
Pikes Peak Waseca Sand	+123.4				
Pinto Frobisher Beds	1036.3	7.01	66	16.55	
Pinto Midale Beds	1024.1	7.01	70	17.24	13.85 MPa @ 70°C
Plato North Viking Sand	20.8				
Plato Viking Sand	9.1	8.37	24	6.89	3.28 MPa @ 21°C
Plenty Viking Sand	+2.7				
Plover Lake Bakken Sand	86.6				
Plover Lake McLaren Sand	32.6				
Prairiedale Viking Sand	22.1				
Queensdale East Frobisher-Alida Beds	573.0	5.78	47	10.84	7.72 MPa @ 46°C
Queensdale North Alida Beds	588.3	7.58	49	10.85	
Queensdale West Alida Beds	600.5	7.58	48	11.25	11.24 MPa @ 48°C
Ralph Midale Beds	723.9	7.92			
Ralph West Midale Beds	730.7				
Rapdan Upper Shaunavon	449.6	8.60	49	13.72	5.61 MPa @ 56°C
Rapdan West Upper Shaunavon	471.0				
Red Jacket Gravelbourg	153.7				
Red Jacket Shaunavon-Gravelbourg	82.7				
Rocanville Bakken Sand	160.0	8.37	27	6.23	
Roncott Bakken Sand	1121.7	8.08	59		2.05 MPa @ 52°C
Rosebank Alida Beds	536.4	7.19	44	10.49	
Rosebank South Alida Beds	533.4	7.46	43		
Rush Lake Sparky Sand	+88.3				
Rush Lake Waseca Sand	+113.9				
Salt Lake Lloydminster Sand	56.2				
Senlac Cummings-Dina Sand	76.0		29		
Senlac Lloydminster Sand	78.2				
Senlac Waseca Sand	+3.0		26		
Sherwood Frobisher Beds	701.0	7.92	56	12.27	8.76 MPa @ 56°C
Silverdale Sparky Sand	+68.6				
Silverton Frobisher Beds	618.7	8.37	49		
Skinner Lake Ratcliffe Beds	1008.9	8.37			
Smiley Dewar Viking	15.2	7.99	23	6.47	6.36 MPa @ 22°C
Smiley Dewar Viking Chert	18.3	7.99	23	6.49	
Souris Flat Frobisher Beds	789.4	8.28	59	13.34	11.82MPa @ 59°C
Souris Flat South Frobisher Beds	850.4				
South Fletwode Tilston Beds	429.8	7.92	44	9.45	
South Success Roseray Sand	231.0	8.60	51	8.96	8.96 MPa @ 53°C
Standard Hill Waseca Sand	+109.7				
Star Valley Frobisher-Alida Beds	536.4	7.46	52	10.82	8.61 MPa @ 52°C
Star Valley South Frobisher-Alida Beds	562.0				
Steelman Frobisher Beds	853.4	7.01	67	14.36	
Steelman Midale Beds	853.4	7.01	67	14.34	14.34 MPa @ 63°C
Storthoaks Alida-Tilston Beds	493.8	7.92	38	9.80	8.09 MPa @ 42°C
Stoughton Frobisher-Alida Beds	644.7	7.46	61	12.07	8.09 MPa @ 62°C
Stoughton South Frobisher Beds	647.7	7.46		14.13	
Success North Roseray Sand	236.9				
Success Roseray Sand Alpha	219.5	8.60	51	8.76	7.86 MPa @ 51°C
Suffield Roseray Sand	259.1	8.60	52	12.98	7.41 MPa @ 44°C
Suffield Upper Shaunavon	318.5	8.82	50	10.82	

INITIAL OIL POOL PRESSURE DATA

POOL NAME	DATUM METRES SUBSEA	PRESSURE GRADIENT kPa/m	TEMPERATURE AT DATUM DEPTH °C	VIRGIN PRESSURE AT DATUM DEPTH MPa	SATURATION PRESSURE
Tableland Winnipegosis	2029.9				
Tangleflags East McLaren Sand	+139.6				
Tangleflags G.P. Sand	+100.6				
Tangleflags Lloydminster Sand	+61.0				
Tangleflags McLaren Sand	+141.4				
Tangleflags North G.P. Sand	+99.1				
Tangleflags North Lloyd/Cummings Sand	+57.7				
Tangleflags Sparky Sand	+109.7				
Tangleflags West G.P. Sand	+102.9				
Tangleflags West Lloydminster Sand	+62.4				
Tangleflags West McLaren Sand	+146.8				
Tangleflags West Sparky Sand	+113.5				
Tatagwa Central Midale Beds	852.0	8.60	57	15.45	
Tatagwa Midale Beds	857.4				
Tatagwa North Midale Beds	817.4				
Tatagwa West Midale Beds	862.1				
Union Jack Midale Beds	722.1				
Verendrye Viking Sand	22.0				
Verlo Roseray Sand	213.4	8.82	52	9.14	9.24 MPa @ 39°C
Viewfield Frobisher Beds	670.6	8.69	65	12.22	9.03 MPa @ 65°C
Viewfield Rim	642.0	7.35	64		
View Hill Midale Beds	957.1	8.75	76	15.69	
Wapella Sand	76.2	8.37	32	5.25	0.34 MPa @ 29°C
Warmley Alida Beds	496.2	8.37	54	10.15	
Wauchope Alida-Tilston Beds	524.1				
Wauchope North Tilston Beds	458.3				
Wauchope West Alida Beds	549.1				
Weir Hill Frobisher Beds	762.0	7.24			
Welwyn Bakken Sand	180.6				
Westhazel G.P. Sand	+90.1				
Westhazel Sparky Sand	+103.8				
West Innes Frobisher Beds	722.4	8.60	64	13.07	
West Kingsford Midale Beds	876.3	7.01	67	14.82	9.40 MPa @ 67°C
Weyburn Frobisher Beds	807.7	8.14	61		
Weyburn Midale Beds	807.7	8.14	61	14.60	
White Bear Tilston Beds	445.0	7.92	43	9.74	
White Bear Tilston-Souris Valley Beds	457.2	8.37	39	9.47	2.41 MPa @ 39°C
Whitemud Shaunavon	469.4	9.05	54	13.79	5.52 MPa @ 41°C
Whiteside Viking Sand	36.6	7.92	24	6.38	
Wildwood Alida Beds	582.2	8.37	48	10.77	
Willmar Frobisher Alida Beds	661.4	7.24	54	11.87	11.32 MPa @ 53°C
Winmore Frobisher Beds	641.6	8.60		11.23	
Winter Cummings Sand	36.9				
Wordsworth Frobisher-Alida Beds	650.0				
Workman Frobisher Beds	701.0	7.69	54	12.27	6.55 MPa @ 59°C
Workman Midale Beds	685.8	7.24	54	14.75	7.64 MPa @ 53°C

INITIAL GAS POOL PRESSURE DATA

POOL NAME	DATUM METRES SUBSEA	TEMPERATURE AT DATUM DEPTH °C	COMPRESSIBILITY FACTOR Z	VIRGIN PRESSURE AT DATUM DEPTH kPa
Barthel Colony Sand Gas Pool	+352.1	14	0.957	2 106
Bayhurst Viking Gas Pool	+9.1	25	0.894	6 700
Bayhurst West Viking Gas Pool	-7.6	28	0.891	6 720
Beacon Hill Mannville Sand Gas Pool	+256.0	21	0.955	2 170
Beacon Hill South Mannville Sand Gas Pool	+261.7	21	0.955	2 170
Beacon Hill West Mannville Sand Gas Pool	+241.7	21	0.952	2 351
Bear Creek Mannville Sand Gas Pool	+262.6	14	0.956	2 110
Beverley East Cantuar Gas Pool	+170.0	46	0.891	9 650
Bigstick Second White Specks Gas Pool	+101.2	26	0.895	6 105
Branch Lake Colony Sand Gas Pool	+230.2	15	0.953	2 307
Brock East Viking Gas Pool	-7.6	29	0.865	7 060
Brock Viking Sand Gas Pool	-3.0	28	0.896	6 690
Bronson Lake Colony Sand Gas Pool	+197.7	16	0.952	2 706
Bronson Lake Waseca Sand Gas Pool	+183.6	17	0.941	2 846
Burstall Medicine Hat Sand Gas Pool	+231.5	17	0.915	4 309
Burstall Milk River Gas Pool	+278.8	16	0.900	3 447
Burstall North Viking Sand Gas	-11.0	27	0.873	7 782
Carruthers Colony Sand Gas Pool	+118.8	15	0.934	3 554
Cavalier Spinney Hill Sand Gas Pool	+162.1	18	0.946	3 140
Cold Lake Colony Sand Gas Pool	+295.2	13	0.959	1 951
Coleville-Smiley Viking Sand Gas Pool	+12.2	24	0.868	6 480
Consul Second White Specks Gas Pool	+115.3	29	0.898	6 681
Consul Upper Shaunavon Gas Pool	-330.0	49	0.811	12 976
Crane Lake Medicine Hat Sand Gas Pool	+211.9	17	0.915	4 309
Crane Lake Milk River Gas Pool	+308.7	15	0.920	3 585
Crane Lake South Medicine Hat Sand Gas Pool	+208.5	17	0.915	4 309
Crane Lake South Milk River Gas Pool	+264.2	15	0.920	3 532
Crane Lake South Second White Specks Gas Pool	+56.1	27	0.862	6 033
Cypress Second White Specks Gas Pool	+97.0	34	0.906	6 555
Dodsland North Viking Gas Pool	+21.3	23	0.877	6 110
Driver Bakken Sand Gas Pool	-100.4	27	0.886	7 079
Driver Mannville Sand Gas Pool	-49.9	27	0.886	6 804
Flat Valley Colony Sand Gas Pool	+234.5	21	0.942	2 310
Flat Valley St. Walburg Sand Gas Pool	+330.5	21	0.947	2 138
Fort Pitt Colony Sand Gas Pool	+191.0	20	0.947	2 790
Fort Pitt North Colony Sand Gas Pool	+198.9	19	0.947	2 850
Fort Pitt North Waseca Sand Gas Pool	+198.9	19	0.944	2 850
Freefight Milk River Gas Pool	+295.8	15	0.932	3 406
Freefight North Milk River Gas Pool	+323.8	15	0.932	3 406
Frenchman Butte Colony Sand Gas Pool	+198.3	20	0.947	2 755
Frenchman Butte St. Walburg Sand Gas Pool	+288.5	18	0.957	2 985
Frenchman Butte Waseca Sand Gas Pool	+168.8	20	0.942	2 867
Glidden Viking Gas Pool	-1.5	22	0.869	6 690
Gold Lake Colony Sand Gas Pool	+310.7	14	0.970	1 631
Greenan Viking Gas Pool	-15.2	28	0.893	6 580
Gull Lake Cantuar Gas Pool	-259.1	43	0.857	9 480
Hallam Colony Sand Gas Pool	+11.4	23	0.910	4 967
Hallam Waseca Sand Gas Pool	+4.4	23	0.910	4 967
Hatton Medicine Hat Sand Gas Pool	+274.3	17	0.915	4 310
Hatton Milk River Gas Pool	+321.6	16	0.900	3 450
Hillmond Colony Sand Gas Pool	+159.4	18	0.942	3 109
Hillmond Lloydminster Sand Gas Pool	+65.2	21	0.918	3 935
Hoosier Viking Sand Gas Pool	-18.3	26	0.874	6 560

INITIAL GAS POOL PRESSURE DATA

POOL NAME	DATUM METRES SUBSEA	TEMPERATURE AT DATUM DEPTH °C	COMPRESSIBILITY FACTOR Z	VIRGIN PRESSURE AT DATUM DEPTH kPa
Ingebrigt Milk River Gas Pool	+289.0	16	0.900	3 470
Kindersley Viking Sand Gas Pool	-10.6	23	0.869	6 587
Lashburn McLaren Sand Gas Pool	+146.8	21	0.938	3 229
Liebenthal Milk River Gas Pool	+297.2	16	0.900	3 630
Lloydminster Colony Sand Gas Pool	+134.1	23	0.937	3 260
Lloydminster North Colony Sand Gas Pool	+134.0	21	0.925	3 137
Loon Lake Colony Sand Gas Pool	+283.7	12	0.960	2 331
Loverna North Bakken Sand Gas Pool	-108.4	29	0.858	7 704
Loverna North Mannville Sand Gas Pool	-41.8	33	0.875	7 694
Loverna South Bakken Sand Gas Pool	-136.8	30	0.867	8 074
Loverna South Viking Sand Gas Pool	-4.0	24	0.901	5 144
Loverna West Bakken Sand Gas Pool	-135.3	32	0.862	8 073
Luseland Viking Sand Gas Pool	+142.6	23	0.890	5 792
Makwa Mannville Sand Gas Pool	+249.4	15	0.952	2 325
Marengo Viking Gas Pool	-10.7	21	0.872	6 740
Merryflat Second White Specks Gas Pool	+151.2	29	0.899	6 241
Milton Viking Sand Gas Pool	-18.3	23	0.870	6 550
Monchy Second White Specks Gas Pool	+277.6	21	0.909	5 000
Mudie Lake Colony Sand Gas Pool	+211.5	17	0.952	2 608
Paradise Hill Colony Sand Gas Pool	+174.5	16	0.942	3 047
Paradise Hill Waseca Sand Gas Pool	+146.3	17	0.942	3 216
Peck Lake Colony Sand Gas Pool	+200.1	24	0.944	2 951
Pierceland Mannville Sand Gas Pool	+256.0	21	0.958	2 100
Pierceland West Mannville Sand Gas Pool	+230.5	15	0.950	2 300
Prairiedale East Viking Gas Pool	+14.6	26	0.875	6 250
Primate Mannville Sand Gas Pool	-12.4	26	0.914	5 258
Primrose Lake Mannville Sand Gas Pool	+335.6	17	0.969	1 697
Primrose Lake East Mannville Sand Gas Pool	+345.1	17	0.972	1 258
Rex Lloydminster Sand Gas Pool	+65.3	21	0.925	3 950
Salvador Mannville Sand Gas Pool	-26.3	26	0.907	5 317
Senate Second White Specks Gas Pool	+121.9	29	0.899	6 281
Senlac McLaren Sand Gas Pool	+14.9	23	0.915	4 725
Senlac Sparky Sand Gas Pool	-15.7	27	0.915	5 000
Spruce Lake Mannville Sand Gas Pool	+183.2	15	0.940	2 753
Spruce Lake North Colony Sand Gas Pool	+205.2	16	0.955	1 978
Superb Bakken Sand Gas Pool	-79.1	29	0.869	6 978
Tangleflags Colony Sand Gas Pool	+159.1	20	0.947	3 119
Tangleflags McLaren Sand Gas Pool	+149.3	21	0.940	3 247
Tangleflags Second White Specks Gas Pool	+274.0	18	0.943	3 057
Tangleflags St. Walburg Sand Gas Pool	+254.0	18	0.934	3 345
Totnes Viking Gas Pool	-3.0	24	0.886	6 830
Unity South Sparky Sand Gas Pool	-9.8	26	0.920	4 750
Unity South Unity Sand Gas Pool	-38.8	29	0.890	5 288
Unity South Viking Sand Gas Pool	+85.5	24	0.889	5 157
Verendrye North Viking Sand Gas Pool	-20.0	24	0.892	6 348
Wheat Valley Cantuar Sand Gas Pool	-220.0	40	0.883	8 003
Whelan Mannville Sand Gas Pool	+221.6	16	0.950	2 544
Whelan St. Walburg Sand Gas Pool	+307.6	15	0.949	2 635
Whiteside Ribstone Creek Sand Gas Pool	+481.6	20	0.959	2 000
Whiteside West Ribstone Creek Sand Gas Pool	+485.3	14	0.973	1 240
Whiteside West Viking Sand Gas Pool	-14.4	27	0.884	5 940
Yonker Colony Sand Gas Pool	+66.6	20	0.916	4 339
Yonker McLaren Sand Gas Pool	+56.7	22	0.907	4 254

MAXIMUM PERMISSIVE RATE FACTORS*

HORIZON POOL CODE	POOL NAME	AVERAGE INTERSTITIAL WATER (SW)	AVERAGE SHRINKAGE FACTOR (1/Boi)	ASSIGNED AREA (LSDS) (A)	ASSIGNED AREA (ACRES)
232501	Aberfeldy G.P. Sand Pool	30	90	1	40
232106	Aberfeldy Sparky Sand Pool	30	90	1	40
435192	Alameda East Frobisher Beds Pool	35	75	2	80
433007	Alameda Midale Beds Pool	35	75	2	80
435191	Alameda West Frobisher Beds Pool	35	75	2	80
433036	Alameda West Midale Beds Pool	35	72	2	80
435038	Alida East Frobisher-Alida Beds Pool	35	75	1 & 2	40 & 80
435785	Alida North Alida Beds Pool	35	75	1	40
435044	Alida West Frobisher-Alida Beds Pool	35	77	1	40
239022	Alsask Basal Mannville Sand Pool	25	75	1	40
432001	Amulet Ratcliffe Beds Pool	35	80	2	80
238103	Antelope Cantuar Sand Pool	30	90	1	40
314552	Antelope Lake East Roseray Sand Pool	30	93	2	80
238153	Antelope Lake North Cantuar Sand Pool	30	90	2	80
314558	Antelope Lake North Success-Roseray Sand Pool	25	93	1	40
314559	Antelope Lake Roseray Sand Pool	25	93	1	40
314556	Antelope Lake South Roseray Sand Pool	25	93	1	40
331064	Antelope Lake Upper Shaunavon Pool	25	93	1	40
435024	Arcola Frobisher-Alida Beds Pool	35	79	1	40
435777	Arcola North Alida Beds Pool	35	79	2	80
435002	Arcola South Frobisher-Alida Beds Pool	35	79	2	80
435040	Auburnton Frobisher-Alida Beds Pool	35	75	1	40
227331	Avon Hill Viking Pool	35	90	1	40
232135	Baldwinton Sparky Sand Pool	30	90	1	40
430073	Battle Creek Madison Pool	25	90	2	80
331001	Battle Creek South Upper Shaunavon Pool	25	90	2	80
331072	Battle Creek Upper Shaunavon Pool	25	90	2	80
314540	Battrum East Roseray Sand Pool	41	97.5	1	40
314553	Battrum North Roseray Sand Pool	41	97.5	1	40
314546	Battrum Roseray Sand Pool (Upper)	41	97.5	1 & 2	40 & 80
	(Main)	17	97.5	1 & 2	40 & 80
437005	Bellegarde Tilston Beds Pool	40	90	2	80
331060	Bench Upper Shaunavon Pool	25	75	2	80
437006	Bender Central Tilston Beds Pool	40	90	2	80
437021	Bender South Tilston Beds Pool	40	90	2	80
437050	Bender Tilston Beds Pool	40	90	2	80
435763	Bennet Lake Alida Beds Pool	35	80	2	80
433076	Benson East Midale Beds Pool	50	89	2	80
435173	Benson Frobisher Beds Pool	50	89	2	80
433075	Benson Midale Beds Pool	50	89	2	80
238146	Beverley Cantuar Sand Pool	30	90	2	80
238152	Beverley East Cantuar Sand Pool	30	90	2	80
238148	Beverley North Cantuar Sand Pool	30	90	1	40
314560	Beverley Roseray Sand Pool	35	90	1	40
433035	Bienfait Midale Beds Pool	35	85	1	40
231202	Big Gully McLaren Sand Pool	30	90	1	40
234120	Big Gully North Lloydminster Sand Pool	30	90	1	40
231309	Big Gully Waseca Sand Pool	30	90	1	40
437015	Big Marsh Lake Tilston Beds Pool	40	90	2	80
231116	Bolney Colony Sand Pool	30	90	1	40
331050	Bone Creek Upper Shaunavon Pool	15	94	2	80
705048	Bromhead East Red River Pool	35	85	2	80
433089	Bromhead Midale Beds Pool	35	75	4	160
435111	Brough Frobisher Beds Pool	35	89	2	80
435019	Browning Frobisher-Alida Beds Pool	35	75	1	40
435013	Browning North Frobisher-Alida Beds Pool	35	85	2	80
435172	Bryant Frobisher Beds Pool	35	75	2 & 4	80 & 160
433099	Bryant Midale Beds Pool	35	89	2 & 4	80 & 160
441422	Buffalo Coulee Bakken Sand Pool	25	93	1/2	20
441428	Buffalo Coulee North Bakken Sand Pool	25	93	1	40
441479	Buffalo Head Bakken Sand Pool	25	75	2	80
435015	Buffalo Head Frobisher-Alida Beds Pool	35	75	2	80
331059	Butte Upper Shaunavon Pool	25	96	2	80

MAXIMUM PERMISSIVE RATE FACTORS*

HORIZON POOL CODE	POOL NAME	AVERAGE INTERSTITIAL WATER (SW)	AVERAGE SHRINKAGE FACTOR (1/Boi)	ASSIGNED AREA (LSDS) (A)	ASSIGNED AREA (ACRES)
331047	Butte West Upper Shaunavon Pool	25	95	1 & 2	40 & 80
234133	Buzzard Lloydminster Sand Pool	30	90	1	40
232521	Buzzard North G.P. Sand Pool	30	90	1/2 & 1	20 & 40
234144	Buzzard North Lloydminster Sand Pool	30	90	1/2 & 1	20 & 40
230915	Buzzard North Mannville Sands Pool	30	90	1/2 & 1	20 & 40
232149	Buzzard North Sparky Sand Pool	30	90	1/2 & 1	20 & 40
231335	Buzzard North Waseca Sand Pool	30	90	1/2 & 1	20 & 40
441426	Cactus Lake Basal Mannville - Bakken Sand Pool	25	95	1	40
231211	Cactus Lake North McLaren Sand Pool	30	90	1	40
435005	Cantal Frobisher-Alida Beds Pool	35	75	1	40
435039	Cantal South Frobisher-Alida Beds Pool	35	75	2	80
238143	Cantuar East Cantuar Sand Pool	30	90	1	40
335003	Cantuar East Lower Shaunavon Pool	25	95	2	80
314550	Cantuar East Roseray Sand Pool	35	90	1	40
314561	Cantuar Roseray Sand Pool	35	95	1	40
238141	Cantuar Main Cantuar Sand Pool	30	90	1	40
314555	Cantuar North Roseray Sand Pool	35	95	2	80
435787	Carlyle Alida Beds Pool	35	75	1	40
375143	Carlyle South Lower Watrous Pool	25	95	2	80
435180	Carnduff Frobisher Beds Pool	35	75	2	80
433006	Carnduff Midale Beds Pool	35	75	2	80
235016	Carruthers Cummings Sand Pool	30	90	1/2 & 1	20 & 40
232511	Celtic G.P. Sand Pool	30	90	1/2 & 1	20 & 40
230903	Celtic Mannville Sands Pool	30	90	1/2 & 1	20 & 40
232122	Celtic Sparky Sand Pool	30	90	1/2 & 1	20 & 40
231313	Celtic Waseca Sand Pool	30	90	1/2 & 1	20 & 40
441440	Ceylon Bakken Sand Pool	25	94	2	80
331073	Chambery Upper Shaunvon Pool	20	91	2	80
435027	Clarilaw East Frobisher-Alida Beds Pool	35	75	2	80
435021	Clarilaw Frobisher-Alida Beds Pool	35	75	2	80
435041	Clarilaw West Frobisher-Alida Beds Pool	35	75	1	40
330062	Clintonville Shaunavon Pool	25	90	2	80
441421	Coleville Bakken Sand Pool	15	93	1/2	20
230026	Coleville Mannville Sand Pool	25	90	1	40
441429	Coleville South Bakken Sand Pool	15	93	1/2	20
230027	Coleville South Mannville Sand Pool	25	90	1	40
240025	Coleville South Success Pool	50	90	1/2 & 1	20 & 40
441441	Coleville West Bakken Sand Pool	15	93	1	40
433002	Colgate Midale Beds Pool	35	92	1	40
321004	Coothill Red Jacket Sand Pool	38	98	1/4	10
234122	Cosine Lake Lloydminster Sand Pool	30	90	1	40
441431	Court Bakken Sand Pool	25	95	1	40
441438	Court South Bakken Sand Pool	25	95	1	40
331006	Covington South Upper Shaunavon Pool	15	94	1	40
331055	Covington Upper Shaunavon Pool	15	94	2	80
331071	Covington West Upper Shaunavon Pool	25	75	2	80
435765	Creelman Alida Beds Pool	35	75	1 & 2	40 & 80
438030	Crystal Hill Souris Valley Beds Pool	40	90	1 & 2	40 & 80
430002	Dahinda Madison Pool	25	75	2	80
435028	Dalesboro Frobisher-Alida Beds Pool	35	78	2	80
435029	Dalesboro North Frobisher-Alida Beds Pool	35	78	2	80
230909	Dee Valley East Mannville Sands Pool	30	90	1	40
232125	Dee Valley East Sparky Sand Pool	30	90	1	40
231316	Dee Valley East Waseca Sand Pool	30	90	1	40
231337	Dee Valley South Waseca Sand Pool	30	90	1/2	20
231310	Dee Valley Waseca Sand Pool	30	90	1	40
331046	Delta Upper Shaunavon Pool	25	93	2	80
331005	Delta West Upper Shaunavon Pool	45	93	1	40
430004	Divide Madison Pool	25	90	1	40
227327	Dodsland Viking Sand Pool	35	90	1	40
335001	Dollard Lower Shaunavon Pool	25	95	2 & 4	80 & 160
331041	Dollard Upper Shaunavon Pool	5	91	1 & 2	40 & 80
230025	Druid Mannville Sands Pool	30	90	1	40

MAXIMUM PERMISSIVE RATE FACTORS*

HORIZON POOL CODE	POOL NAME	AVERAGE INTERSTITIAL WATER (SW)	AVERAGE SHRINKAGE FACTOR (1/Boi)	ASSIGNED AREA (LSDS) (A)	(ACRES)
232518	Dulwich East G.P. Sand Pool	30	90	1/4	10
233116	Dulwich East Rex Sand Pool	30	90	1/4	10
232147	Dulwich East Sparky Sand Pool	30	90	1/4	10
232109	Dulwich North Sparky Sand Pool	30	90	1/2	20
232102	Dulwich Sparky Sand Pool	30	90	1/4	10
231324	Ear Lake Waseca Sand Pool	30	90	1	40
330076	Eastbrook Shaunavon Pool	20	91	2	80
330074	Eastend Shaunavon Pool	20	91	2 & 4	80 & 160
234143	Edam North Lloydminster Sand Pool	30	90	1/2 & 1	20 & 40
232133	Edam North Sparky Sand Pool	30	90	1/2 & 1	20 & 40
231326	Edam North Waseca Sand Pool	30	90	1/2 & 1	20 & 40
231320	Edam Waseca Sand Pool	30	90	1/2 & 1	20 & 40
230904	Edam West Mannville Sands Pool	30	90	1/4 & 1/2	10 & 20
232141	Edam West Sparky/G.P. Sand Pool	30	90	1/4 & 1/2	10 & 20
231323	Edam West Waseca Sand Pool	30	90	1/4 & 1/2	10 & 20
437033	Edenvale North Tilston Beds Pool	40	90	1	40
437032	Edenvale Tilston Beds Pool	40	90	2	80
433096	Elcott East Midale Beds Pool	35	75	2	80
435184	Elmore Frobisher Beds Pool	45	86	1	40
433018	Elmore Midale Beds Pool	35	75	2	80
433003	Elswick East Midale Beds Pool	35	88	2	80
433001	Elswick Midale Beds Pool	35	88	2	80
433011	Elswick South Midale Beds Pool	50	89	2	80
232504	Epping G.P. Sand Pool	30	90	1/2 & 1	20 & 40
230913	Epping Mannville Sands Pool	30	90	1/2 & 1	20 & 40
232110	Epping South Sparky Sand Pool	30	90	1	40
232104	Epping Sparky Sand Pool	30	90	1/2 & 1	20 & 40
230032	Ermine Mannville Sands Pool	30	90	1	40
227323	Eureka Viking Pool	35	90	1	40
231208	Evesham North McLaren Sand Pool	30	90	1	40
232145	Evesham North Sparky Sand Pool	30	90	1	40
232142	Evesham Sparky Sand Pool	30	90	1	40
235910	Eyehill Cummings-Dina Sand Pool	30	90	1	40
235004	Eyehill North Cummings Sand Pool	30	90	1	40
232132	Eyehill North Sparky Sand Pool	30	90	1	40
437037	Fertile Tilston Beds Pool	40	90	1	40
437580	Fertile Tilston-Souris Valley Beds Pool	40	90	1	40
432085	Flat Lake Ratcliffe Beds Pool	35	80	2	80
435187	Florence Frobisher Beds Pool	35	75	2	80
230902	Forest Bank Mannville Sands Pool	30	90	1	40
232123	Forest Bank Sparky Sand Pool	30	90	1	40
231305	Forest Bank Waseca Sand Pool	30	90	1	40
227338	Forgan Viking Sand Pool	35	90	1	40
227351	Forgan West Viking Sand Pool	35	90	1	40
314541	Fosterton Roseray Sand Pool	16	95	1	40
238151	Fosterton South Cantuar Sand Pool	30	90	1	40
314554	Fosterton South Roseray Sand Pool	16	95	1	40
432090	Freda Lake Ratcliffe Beds Pool	35	90	2	80
230914	Freemont Mannville Sands Pool	30	90	1	40
232130	Freemont Sparky Sand Pool	30	90	1/2 & 1	20 & 40
231315	Freemont Waseca Sand Pool	30	90	1/4, 1/2, 1	10, 20, 40
435082	Freestone Frobisher-Alida Beds Pool	35	75	1 & 2	40 & 80
375142	Fremantle Lower Watrous Pool	25	95	2	80
437581	Frys East Tilston-Souris Valley Beds Pool	40	90	1	40
437579	Frys Tilston-Souris Valley Beds Pool	40	90	1	40
232113	Furness Sparky Sand Pool	30	90	1/4	10
441425	Fusilier Bakken Sand Pool	25	95	1	40
435009	Gainsborough Frobisher-Alida Beds Pool	30	75	1 & 2	40 & 80
435020	Gainsborough North Frobisher-Alida Beds Pool	30	75	1	40
435113	Gainsborough West Frobisher Beds Pool	30	75	2	80
331051	Gardenhead South Upper Shaunavon Pool	25	96	1	40
331003	Gardenhead Upper Shaunavon Pool	25	96	2	80
435181	Glen Ewen Frobisher Beds Pool	35	75	2	80

MAXIMUM PERMISSIVE RATE FACTORS*

HORIZON POOL CODE	POOL NAME	AVERAGE INTERSTITIAL WATER (SW)	AVERAGE SHRINKAGE FACTOR (1/Boi)	ASSIGNED AREA (LSDS) (A)	(ACRES)
433008	Glen Ewen Midale Beds Pool	35	75	2 & 4	80 & 160
230906	Golden Lake North Mannville Sands Pool	30	90	1	40
232112	Golden Lake North Sparky Sand Pool	30	90	1	40
231306	Golden Lake North Waseca Sand Pool	30	90	1	40
230908	Golden Lake South Mannville Sands Pool	30	90	1	40
232107	Golden Lake South Sparky Sand Pool	30	90	1	40
231308	Golden Lake South Waseca Sand Pool	30	90	1	40
435168	Griffin Frobisher Beds Pool	35	89	1	40
435115	Griffin North Frobisher Beds Pool	35	89	2	80
238142	Gull Lake Basal Cantuar Sand Pool	35	92	1	40
331058	Gull Lake Central Upper Shaunavon Pool	25	97	2	80
238144	Gull Lake North Basal Cantuar Sand Pool	35	92	1	40
331043	Gull Lake North Upper Shaunavon Pool	25	97	1	40
314539	Gull Lake Roseray Sand Pool	25	93	1	40
331057	Gull Lake South Upper Shaunavon Pool	25	97	2	80
231307	Gully Lake Waseca Sand Pool	30	90	1	40
435761	Handsworth Alida Beds Pool	35	75	1 & 2	40 & 80
435087	Hartaven Frobisher-Alida Beds Pool	40	89	1	40
707004	Hartaven Winnipeg Sand Pool	15	85	4	160
435190	Hastings East Frobisher Beds Pool	35	75	2	80
435177	Hastings Frobisher Beds Pool	35	75	1 & 2	40 & 80
435160	Hastings West Frobisher Beds Pool	35	75	2	80
437020	Hazelwood Central Tilston Beds Pool	40	90	1 & 2	40 & 80
437029	Hazelwood South Tilston Beds Pool	40	90	2	80
437027	Hazelwood Tilston Beds Pool	40	90	1	40
437028	Hazelwood West Tilston Beds Pool	40	90	2	80
314548	Hazlet Roseray Sand Pool	21	94.7	1	40
441430	Hearts Hill Bakken Sand Pool	25	95	1	40
435112	Heward Frobisher Beds Pool	40	89	2	80
435109	Heward South Frobisher Beds Pool	35	89	2	80
232515	Hillmond G.P. Sand Pool	30	90	1	40
232115	Hillmond Sparky Sand Pool	30	90	1	40
543006	Hitchcock Winnipegosis Pool	25	75	2 & 4	80 & 160
432094	Hoffer Ratcliffe Beds Pool	35	80	2	80
441424	Hoosier Bakken Sand Pool	25	95	1	40
435167	Hume Frobisher Beds Pool	35	89	1 & 2	40 & 80
433091	Hume Midale Beds Pool	35	89	2	80
441478	Hummingbird Bakken Sand Pool	25	95	2	80
521029	Hummingbird Birdbear Pool	25	83	2	80
432088	Hummingbird Ratcliffe Beds Pool	25	75	2	80
441481	Hummingbird South Bakken Sand Pool	25	83	1	40
432095	Hummingbird South Ratcliffe Beds Pool	35	89	1	40
435163	Huntoon Frobisher Beds Pool	50	89	1 & 2	40 & 80
	(East Group)	35	89	1 & 2	40 & 80
433079	Huntoon Midale Beds Pool	50	89	2 & 4	80 & 160
435189	Huntoon North Frobisher Beds Pool	35	89	1	40
331054	Ilerbrun Upper Shaunavon Pool	15	94	2	80
435760	Ingoldsby East Alida Beds Pool	35	75	2	80
435003	Ingoldsby Frobisher-Alida Beds Pool	35	89	1	40
435767	Ingoldsby North Alida Beds Pool	35	89	2	80
435042	Ingoldsby West Frobisher-Alida Beds Pool	35	75	1	40
435165	Innes Frobisher Beds Pool	35	89	2	80
331049	Instow Upper Shaunavon Pool	5	94	2	80
238150	Java Cantuar Sand Pool	30	90	2	80
238104	Java North Cantuar Sand Pool	30	90	1	40
238105	Java West Cantuar Sand Pool	30	90	1	40
331042	Johnston Upper Shaunavon Pool	25	97	1	40
438020	Kennedy Souris Valley Beds Pool	40	90	2	80
437016	Kenosee Tilston Beds Pool	40	90	2	80
227342	Kerrobert Viking Sand Pool	35	90	1/2 & 1	20 & 40
521034	Kisbey Birdbear Pool	40	75	2	80
435025	Kisbey Frobisher-Alida Beds Pool	26	80	1	40
435022	Kisbey South Frobisher-Alida Beds Pool	35	80	1	40

MAXIMUM PERMISSIVE RATE FACTORS*

HORIZON POOL CODE	POOL NAME	AVERAGE INTERSTITIAL WATER (SW)	AVERAGE SHRINKAGE FACTOR (1/Boi)	ASSIGNED AREA (LSDS) (A)	(ACRES)
432086	Lake Alma Ratcliffe Beds Pool	35	80	2	80
231201	Landrose McLaren Sand Pool	30	90	1/2 & 1	20 & 40
231301	Landrose Waseca Sand Pool	30	90	1/2 & 1	20 & 40
232129	Lashburn South Sparky Sand Pool	30	90	1	40
231314	Lashburn South Waseca Sand Pool	30	90	1	40
231303	Lashburn Waseca Sand Pool	30	90	1	40
232137	Lashburn West Sparky Sand Pool	30	90	1	40
330047	Leitchville Shaunavon Pool	35	90	2	80
330048	Leon Lake Shaunavon Pool	25	90	2	80
437023	Lightning Tilston Beds Pool	40	90	1	40
437017	Lightning South Tilston Beds Pool	40	90	2	80
232124	Lloydminster Sparky Sand Pool	30	90	1/2	20
232103	Lone Rock Sparky Sand Pool	30	90	1/4	10
231328	Long Lake Waseca Sand Pool	30	90	1	40
435073	Lost Horse Hill Frobisher-Alida Beds Pool	45	89	1	40
433081	Lougheed Midale Beds Pool	35	89	1 & 2	40 & 80
240024	Loverna Success Pool	25	75	1	40
231302	Low Lake Waseca Sand Pool	30	90	1/2	20
227335	Lucky Hills Viking Pool	35	90	1	40
441432	Luseland Bakken Sand Pool	25	95	1	40
232126	Macklin Sparky Sand Pool	30	90	1	40
433095	Macoun Midale Beds Pool	35	89	2	80
543007	Macoun North Winnipegosis Pool	19	74	1, 2 & 4	40, 80 & 160
433012	Macoun South Midale Beds Pool	35	89	2	80
433069	Macoun West Midale Beds Pool	40	89	4	160
543005	Macoun Winnipegosis Pool	19	74	4	160
230912	Maidstone Mannville Sands Pool	30	90	1	40
231205	Maidstone McLaren Sand Pool	30	90	1	40
231322	Maidstone Waseca Sand Pool	30	90	1	40
314543	Main Success Roseray Sand Pool	30	93	1	40
231210	Manito Lake East McLaren Sand Pool	30	90	1/2 & 1	20 & 40
232143	Manito Lake Sparky Sand Pool	30	90	1	40
435503	Manor Lower Watrous-Alida Beds Pool	35	75	2	80
375144	Manor North Lower Watrous Pool	25	75	2	80
239007	Mantario East Basal Mannville Sand Pool	14	75	1	40
239005	Mantario North Basal Mannville Sand Pool	14	75	1	40
239010	Marengo South Basal Mannville Sand Pool	14	75	1	40
232111	Marsden North Sparky Sand Pool	30	90	1	40
232138	Marsden South Sparky Sand Pool	30	90	1	40
232105	Marsden Sparky Sand Pool	30	90	1/4 & 1/2	10 & 20
435080	Melrose Frobisher-Alida Beds Pool	45	89	1	40
234123	Meota Lloydminster Sand Pool	30	90	1	40
231332	Mervin Waseca Sand Pool	30	90	1/2 & 1	20 & 40
435161	Midale Central Frobisher Beds Pool	50	89	2	80
433072	Midale Central Midale Beds Pool	50	89	2	80
705051	Midale Red River Pool	25	83	4	160
705052	Midale West Red River Pool	25	83	4	160
441439	Milton Bakken Sand Pool	25	95	1	40
240026	Milton Success Pool	25	75	1	40
433070	Minard Midale Beds Pool	35	89	4	160
705049	Minton Red River Pool	35	90	2 & 4	80 & 160
543008	Minton Winnipegosis Pool	34	90	2 & 4	80 & 160
437014	Moose Mountain Tilston Beds Pool	40	90	1	40
437030	Moose Valley South Tilston Beds Pool	40	90	2	80
437076	Moose Valley Tilston Beds Pool	40	90	1 & 2	40 & 80
321003	Moosomin Red Jacket Sand Pool	39	99	1/4	10
435031	Morrisview Frobisher-Alida Beds Pool	35	80	2	80
435032	Morrisview West Frobisher-Alida Beds Pool	35	80	2	80
231105	Neilburg Colony Sand Pool	30	90	1	40
230911	Neilburg Mannville Sands Pool	30	90	1	40
231203	Neilburg McLaren Sand Pool	30	90	1	40
433019	Neptune North Midale Beds Pool	35	92	2	80
432092	Neptune Ratcliffe Beds Pool	35	80	4	160

MAXIMUM PERMISSIVE RATE FACTORS*

HORIZON POOL CODE	POOL NAME	AVERAGE INTERSTITIAL WATER (SW)	AVERAGE SHRINKAGE FACTOR (1/Boi)	ASSIGNED AREA (LSDS) (A)	(ACRES)
433026	North Antler Midale Beds Pool	35	75	2	80
435762	North Handsworth Alida Beds Pool	35	75	2	80
441423	North Hoosier Bakken Sand Pool	25	95	1	40
239021	North Hoosier Basal Mannville Sand Pool	25	90	1/2	20
433010	North Portal Midale Beds Pool	35	75	2	80
314542	North Premier Roseray Sand Pool	25	93	1	40
331044	North Premier Upper Shaunavon Pool	25	93	1	40
441433	North Smiley Bakken Sand Pool	25	93	1	40
435120	Northgate East Frobisher Beds Pool	35	75	2	80
435185	Northgate Frobisher Beds Pool	35	75	1	40
433020	Northgate Midale Beds Pool	35	75	2	80
232509	Northminster North G.P. Sand Pool	30	90	1	40
232134	Northminster North Sparky Sand Pool	30	90	1	40
232108	Northminster Sparky Sand Pool	30	90	1	40
435780	Nottingham Alida Beds Pool	35	75	2	80
437010	Nottingham East Tilston Beds Pool	40	90	2	80
437004	Nottingham North Tilston Beds Pool	40	90	2	80
435083	Nottingham South Frobisher-Alida Beds Pool	22	75	1 & 2	40 & 80
331074	Notukeu Upper Shaunavon Pool	25	75	4	160
435178	Oakley Frobisher Beds Pool	35	75	2	80
239019	Onward Basal Mannville Sand Pool	25	95	1/2 & 1	20 & 40
435116	Openshaw Frobisher Beds Pool	35	75	2	80
432083	Oungre Ratcliffe Beds Pool	35	80	1 & 2	40 & 80
435175	Oxbow Frobisher Beds Pool	35	75	2	80
438022	Parkman Souris Valley Beds Pool	50	90	2	80
437578	Parkman South Tilston-Souris Valley Beds Pool	40	90	1	40
437013	Parkman Tilston Beds Pool	40	90	1	40
437576	Parkman Tilston-Souris Valley Beds (Tilston)	40	90	1	40
	(Souris Valley)	50	90	1	40
331061	Pennant Upper Shaunavon Pool	25	95	1	40
232507	Pikes Peak G.P. Sand Pool	30	90	1	40
232128	Pikes Peak Sparky Sand Pool	30	90	1	40
231312	Pikes Peak Waseca Sand Pool	30	90	1	40
433082	Pinto East Midale Beds Pool	35	75	2	80
435182	Pinto Frobisher Beds Pool	35	75	1 & 2	40 & 80
433015	Pinto Midale Beds Pool	35	75	2	80
227340	Plato North Viking Pool	35	90	1	40
227333	Plato Viking Pool	35	90	1	40
227345	Plenty Viking Sand Pool	35	90	1	40
441427	Plover Lake Bakken Sand Pool	25	95	1	40
441480	Plover Lake East Bakken Sand Pool	25	95	1	40
231209	Plover Lake McLaren Sand Pool	25	95	1/2 & 1	20 & 40
441450	Plover Lake West Bakken Sand Pool	25	95	1	40
227343	Prairiedale Viking Sand Pool	35	90	1	40
435010	Queensdale East Frobisher-Alida Beds Pool	35	85	1	40
435782	Queensdale North Alida Beds Pool	35	75	1	40
435781	Queensdale West Alida Beds Pool	35	75	1	40
375140	Queensdale West Lower Watrous Pool	25	75	2	80
433097	Ralph Midale Beds Pool	35	89	2	80
433005	Ralph West Midale Beds Pool	35	89	1 & 2	40 & 80
430003	Rangeview East Madison Pool	25	90	1	40
430001	Rangeview Madison Pool	25	90	1	40
335002	Rapdan North Lower Shaunavon Pool	20	91	4	160
331004	Rapdan South Upper Shaunavon Pool	20	91	4	160
331045	Rapdan Upper Shaunavon Pool	20	91	1 & 2	40 & 80
330063	Rapdan West Shaunavon Pool	20	91	4	160
354902	Red Jacket Gravelbourg Pool	38	98	2	80
321002	Red Jacket Sand Pool	38	98	1/4	10
321006	Red Jacket South Red Jacket Sand Pool	38	98	1/4	10
437031	Redvers Tilston Beds Pool	40	90	2	80
441476	Rocanville Bakken Sand Pool	35	75	1	40
441477	Roncott Bakken Sand Pool	25	94	2	80
435779	Rosebank Alida Beds Pool	35	79	1	40

MAXIMUM PERMISSIVE RATE FACTORS*

HORIZON POOL CODE	POOL NAME	AVERAGE INTERSTITIAL WATER (SW)	AVERAGE SHRINKAGE FACTOR (1/Boi)	ASSIGNED AREA (LSDS) (A)	(ACRES)
435778	Rosebank South Alida Beds Pool	35	79	1	40
232519	Rush Lake G.P. Sand Pool	30	90	1/2 & 1	20 & 40
230905	Rush Lake Mannville Sands Pool	30	90	1/2 & 1	20 & 40
232140	Rush Lake Sparky Sand Pool	30	90	1/2 & 1	20 & 40
231321	Rush Lake Waseca Sand Pool	30	90	1/2 & 1	20 & 40
235918	Rutland Cummings-Dina Sand Pool	30	90	1	40
234142	Salt Lake Lloydminster Sand Pool	30	90	1	40
235920	Senlac Cummings-Dina Sand Pool	30	90	1	40
234139	Senlac Lloydminster Sand Pool	30	90	1	40
231327	Senlac Waseca Sand Pool	30	90	1	40
437009	Service Tilston Beds Pool	40	90	2	80
239023	Seward Basal Mannville Sand Pool	30	90	2	80
435164	Sherwood Frobisher Beds Pool	35	86	1	40
232101	Silverdale Sparky Sand Pool	30	90	1/4 & 1/2 & 1	10 & 20 & 40
435122	Silverton East Frobisher Beds Pool	35	75	2	80
435179	Silverton Frobisher Beds Pool	35	75	1	40
435117	Silverton North Frobisher Beds Pool	35	75	2	80
432096	Skinner Lake Ratcliffe Beds Pool	35	80	2	80
227023	Smiley-Dewar Viking Pool	35	90	1	40
235015	Soda Lake Cummings Sand Pool	30	90	1	40
435186	Souris Flat Frobisher Beds Pool	35	75	1	40
435174	Souris Flat South Frobisher Beds Pool	35	75	2	80
437002	South Fletwode Tilston Beds Pool	40	90	1	40
314545	South Success Roseray Sand Pool	30	93	1	40
232520	Standard Hill North G.P. Sand Pool	30	90	1/2 & 1	20 & 40
233117	Standard Hill North Rex Sand Pool	30	90	1/2 & 1	20 & 40
232148	Standard Hill North Sparky Sand Pool	30	90	1/2 & 1	20 & 40
231333	Standard Hill North Waseca Sand Pool	30	90	1/2 & 1	20 & 40
231311	Standard Hill Waseca Sand Pool	30	90	1	40
435001	Star Valley Frobisher-Alida Beds Pool	35	81	1	40
435014	Star Valley South Frobisher-Alida Beds Pool	35	81	2	80
435176	Steelman Frobisher Beds Pool	35	75	2	80
433004	Steelman Midale Beds Pool	35	72	2	80
543009	Steelman Winnipegosis Pool	33	88	4	160
435786	Storthoaks Alida Beds Pool	35	79	2	80
437007	Storthoaks East Tilston Beds Pool	40	90	2	80
437008	Storthoaks North Tilston Beds Pool	40	90	2	80
437035	Storthoaks Tilston Beds Pool	40	90	2	80
435078	Stoughton Frobisher-Alida Beds Pool	35	86	2	80
435118	Stoughton North Frobisher Beds Pool	35	86	2	80
435171	Stoughton South Frobisher Beds Pool	35	86	2	80
314551	Success North Roseray Sand Pool	30	93	1	40
314544	Success Roseray Sand Alpha Pool	30	93	1	40
238145	Suffield Basal Cantuar Sand Pool	35	92	1	40
314549	Suffield Roseray Sand Pool	35	95	1 & 2	40 & 80
331052	Suffield Upper Shaunavon Pool	25	97	2	80
231336	Superb North Waseca Sand Pool	30	90	1	40
543004	Tableland Winnipegosis Pool	19	73	4	160
231204	Tangleflags East McLaren Sand Pool	30	90	1	40
232505	Tangleflags G.P. Sand Pool	30	90	1/2 & 1	20 & 40
234121	Tangleflags Lloydminster Sand Pool	30	90	1/2 & 1	20 & 40
230901	Tangleflags Mannville Sands Pool	30	90	1/2 & 1	20 & 40
231206	Tangleflags McLaren Sand Pool	30	90	1/2 & 1	20 & 40
232506	Tangleflags North G.P. Sand Pool	30	90	1/2 & 1	20 & 40
234128	Tangleflags North Lloyd/Cummings Sand Pool	30	90	1/2 & 1	20 & 40
232114	Tangleflags Sparky Sand Pool	30	90	1/2 & 1	20 & 40
232508	Tangleflags West G.P. Sand Pool	30	90	1/2 & 1	20 & 40
234132	Tangleflags West Lloydminster Sand Pool	30	90	1/2 & 1	20 & 40
230907	Tangleflags West Mannville Sands Pool	30	90	1/2 & 1	20 & 40
231207	Tangleflags West McLaren Sand Pool	30	90	1/2 & 1	20 & 40
232131	Tangleflags West Sparky Sand Pool	30	90	1/2 & 1	20 & 40
433080	Tatagwa Central Midale Beds Pool	35	92	1	40

MAXIMUM PERMISSIVE RATE FACTORS*

HORIZON POOL CODE	POOL NAME	AVERAGE INTERSTITIAL WATER (SW)	AVERAGE SHRINKAGE FACTOR (1/Boi)	ASSIGNED AREA (LSDS) (A)	(ACRES)
433098	Tatagwa Midale Beds Pool	35	92	1	40
433088	Tatagwa North Midale Beds Pool	35	92	2	80
433009	Tatagwa West Midale Beds Pool	35	92	2	80
435701	Thirty Lake Alida Beds Pool	35	79	2	80
232150	Turtleford Sparky Sand Pool	30	90	1/2	20
231334	Turtleford Waseca Sand Pool	30	90	1/2	20
433021	Union Jack Midale Beds Pool	35	89	2	80
227321	Verendrye Viking Sand Pool	35	90	1	40
314547	Verlo Roseray Sand Pool	21	90	1	40
435110	Viewfield East Frobisher Beds Pool	35	86	2	80
435170	Viewfield Frobisher Beds Pool	35	86	1	40
390001	Viewfield Rim Pool	35	86	1	40
433071	View Hill Midale Beds Pool	50	89	2	80
230019	Wapella Mannville Sand Pool	25	99	1	40
321007	Wapella Red Jacket Sand Pool	28	99	1	40
238661	Wapella Sand Pool	25	99	1	40
435784	Warmley Alida Beds Pool	35	90	2	80
436277	Wauchope Alida Tilston Beds Pool	35	75	1	40
437034	Wauchope Central Tilston Beds Pool	40	90	2	80
437003	Wauchope North Tilston Beds Pool	40	90	1	40
435766	Wauchope South Alida Beds Pool	35	85	2	80
435764	Wauchope West Alida Beds Pool	35	75	2	80
238101	Webb Cantuar Sand Pool	30	90	1	40
238102	Webb South Cantuar Sand Pool	30	90	1	40
238154	Webb West Cantuar Sand Pool	30	90	1	40
435169	Weir Hill Frobisher Beds Pool	35	75	1	40
441475	Welwyn Bakken Sand Pool	35	75	2	80
321005	Welwyn Red Jacket Pool	35	75	1	40
441474	Welwyn South Bakken Sand Pool	35	75	1	40
435166	West Innes Frobisher Beds Pool	35	89	1	40
433077	West Kingsford Midale Beds Pool	35	83.6	2	80
232510	Westhazel G.P. Sand Pool	30	90	1/2 & 1	20 & 40
230910	Westhazel Mannville Sand Pool	30	90	1/2 & 1	20 & 40
232136	Westhazel Sparky Sand Pool	30	90	1/2 & 1	20 & 40
231329	Westhazel Waseca Sand Pool	30	90	1/2 & 1	20 & 40
435162	Weyburn Frobisher Beds Pool	35	89	1 & 2	40 & 80
433074	Weyburn Midale Beds Pool	35	89	2	80
	(Northern Portion of Pool)	50	89	2	80
437012	White Bear Tilston Beds Pool	40	90	1	40
437577	White Bear Tilston-Souris Valley Beds (Tilston)	40	90	1	40
	(Souris Valley)	50	90	1	40
330075	Whitemud Shaunavon Pool	20	91	2	80
227326	Whiteside Viking Sand Pool	40	91	1	40
435783	Wildwood Alida Beds Pool	35	75	2	80
435011	Willmar Frobisher-Alida Beds Pool	25	78	1	40
435059	Willmar North Frobisher-Alida Beds Pool	35	78	2	80
435114	Willmar West Frobisher Beds Pool	35	78	2	80
435188	Winmore Frobisher Beds Pool	45	85	2	80
235007	Winter Cummings Sand Pool	30	90	1	40
235008	Winter South Cummings Sand Pool	30	90	1	40
435121	Wordsworth East Frobisher Beds Pool	35	79	2	80
435012	Wordsworth Frobisher-Alida Beds Pool	35	75	2	80
435023	Wordsworth North Frobisher-Alida Beds Pool	35	79	2	80
435183	Workman Frobisher Beds Pool	35	84	2	80
433017	Workman Midale Beds Pool	35	79	2	80
435119	Workman South Frobisher Beds Pool	35	84	2	80

* Factors in effect on January 1, 1999

ISSN 0707-2562

Petroleum and Natural Gas Division

2101 Scarth Street
Regina, Saskatchewan
S4P 3V7
Telecopier/Fax: (306) 787-2478 or 787-7338
Executive Director: B. W. Wilson, P.Eng.
Ph. (306) 787-2591

Engineering Services Branch

Director: M. A. Sereda, P.Eng.
Ph. (306) 787-2318

Petroleum Development Branch

Director: B. Mathieson
Ph. (306) 787-2593

Field Offices

Estevan 1219 Fifth Street S4A 0Z1
Officer in Charge: J. M. Wysminity
Ph. (306) 637-4541
Telecopier/Fax: (306) 637-4547

Swift Current 350 Cheadle Street West S9H 4G3
Officer in Charge: D. Monuik
Ph. (306) 778-8252
Telecopier/Fax: (306) 778-8256

Kindersley Box 850 S0L 1S0
Officer in Charge: Kirk Hogarth
Ph. (306) 463-5400
Telecopier/Fax: (306) 463-5405

Lloydminster 4815 - 50th Street S9V 0M8
Officer in Charge: G. Ericson
Ph. (306) 825-6434
Telecopier/Fax: (306) 825-6433